



1/59

Co-Planar Electrode Configuration

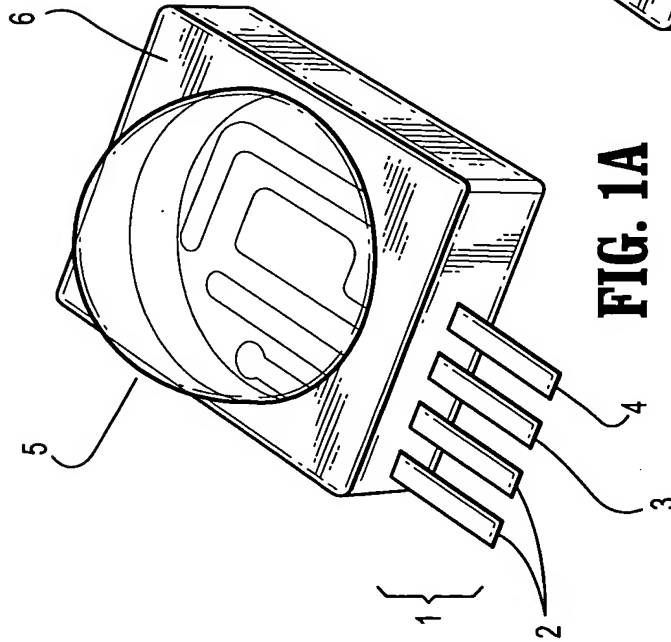
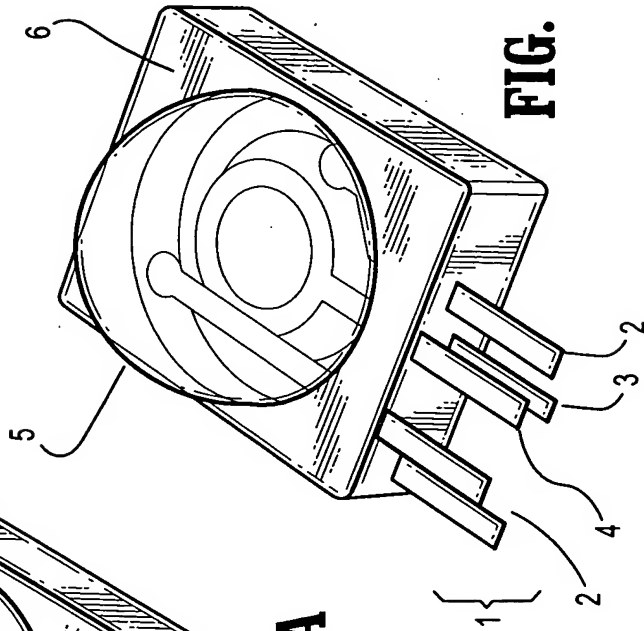


FIG. 1B



Non-Co-Planar Electrode Configuration

2/59

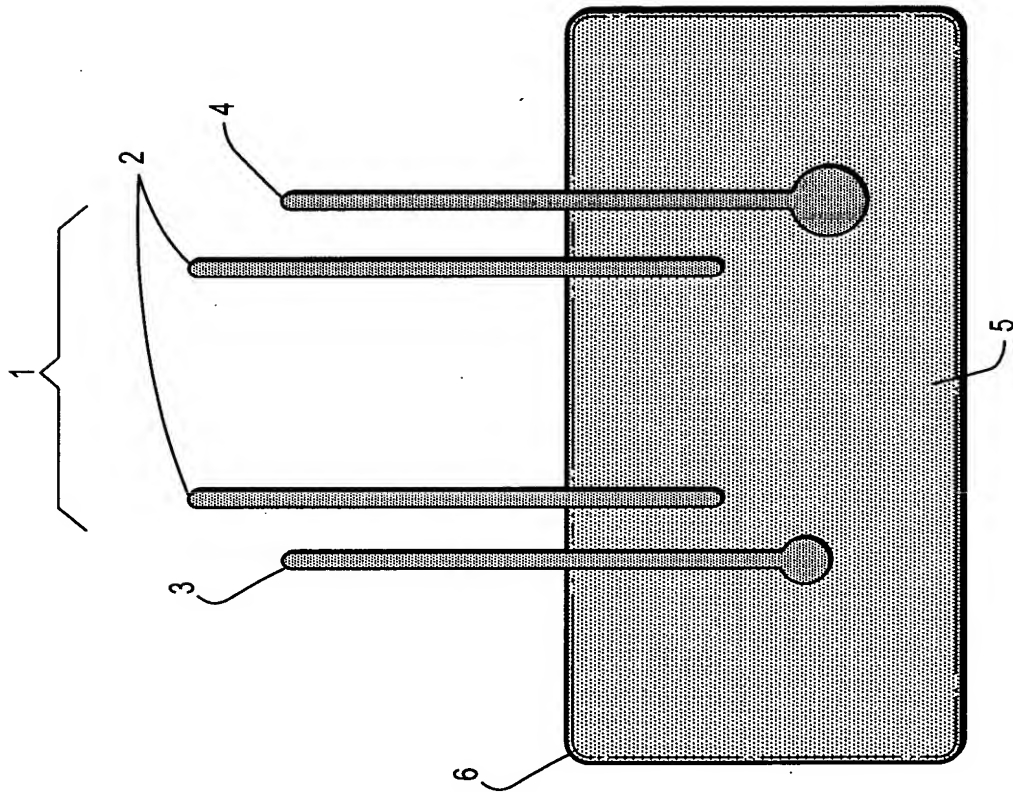


FIG. 2

3/59

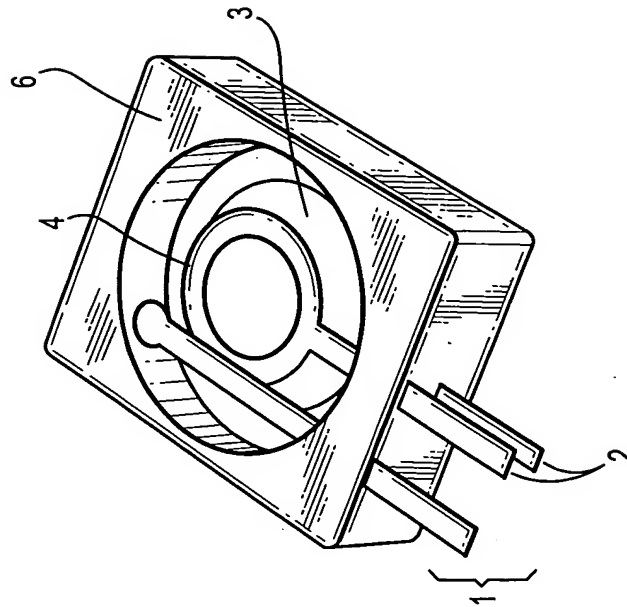


FIG. 3

4/59

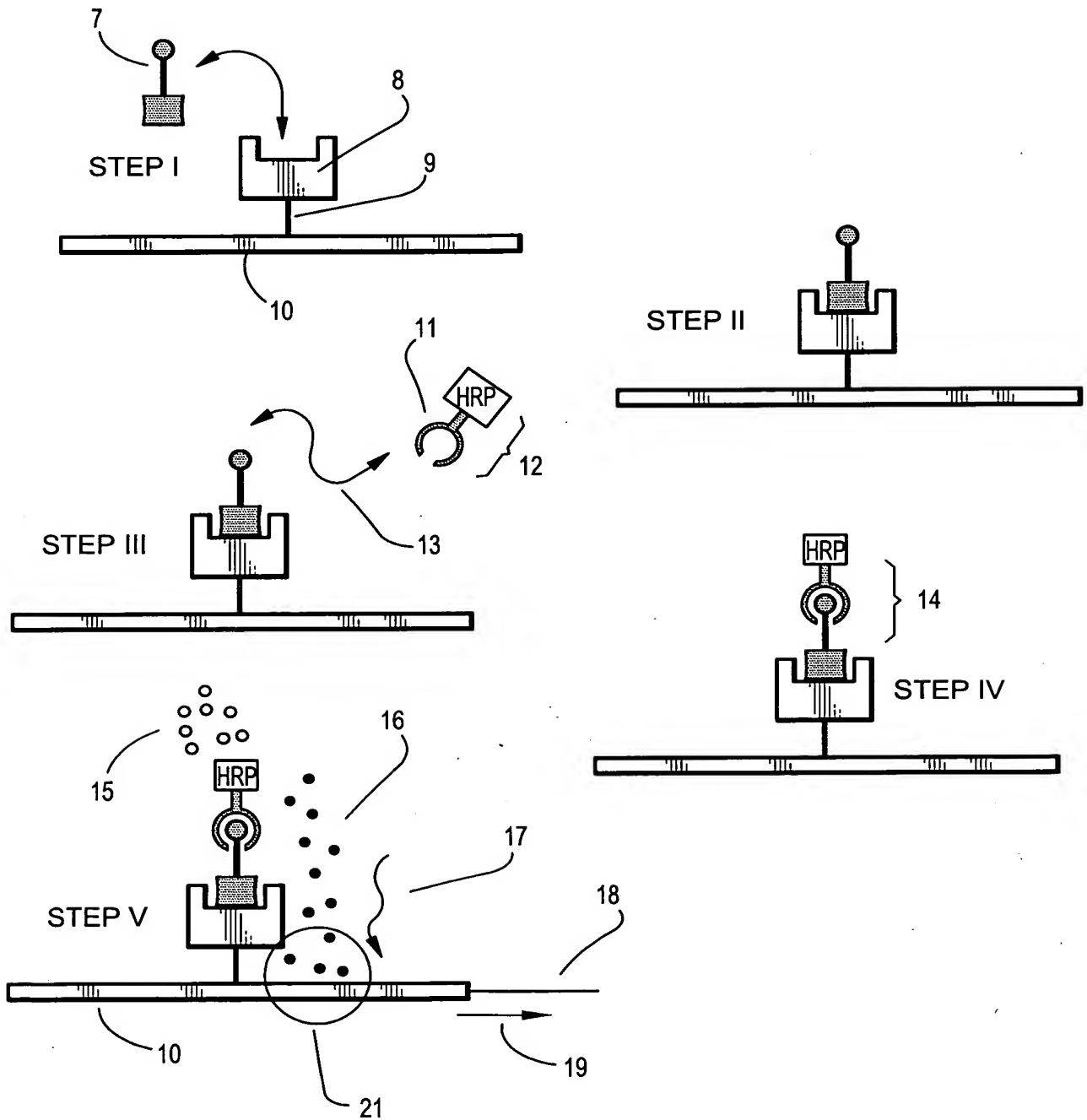


FIG. 4

5/59

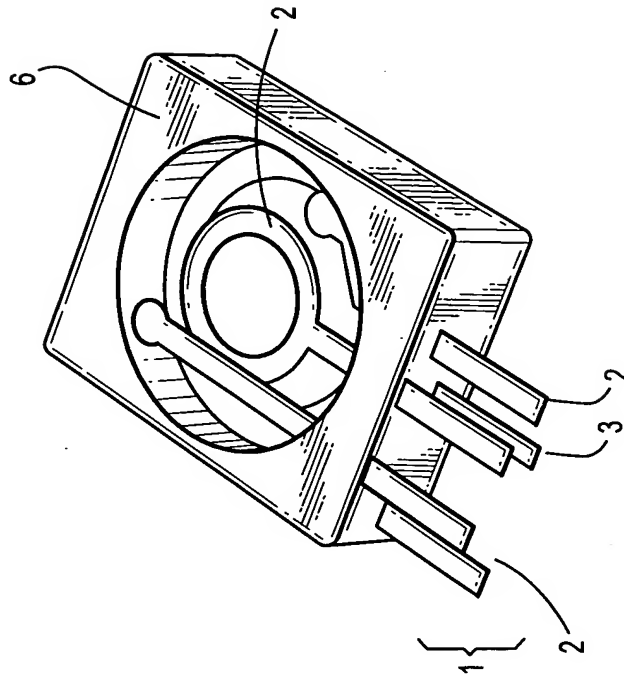


FIG. 5

6/59

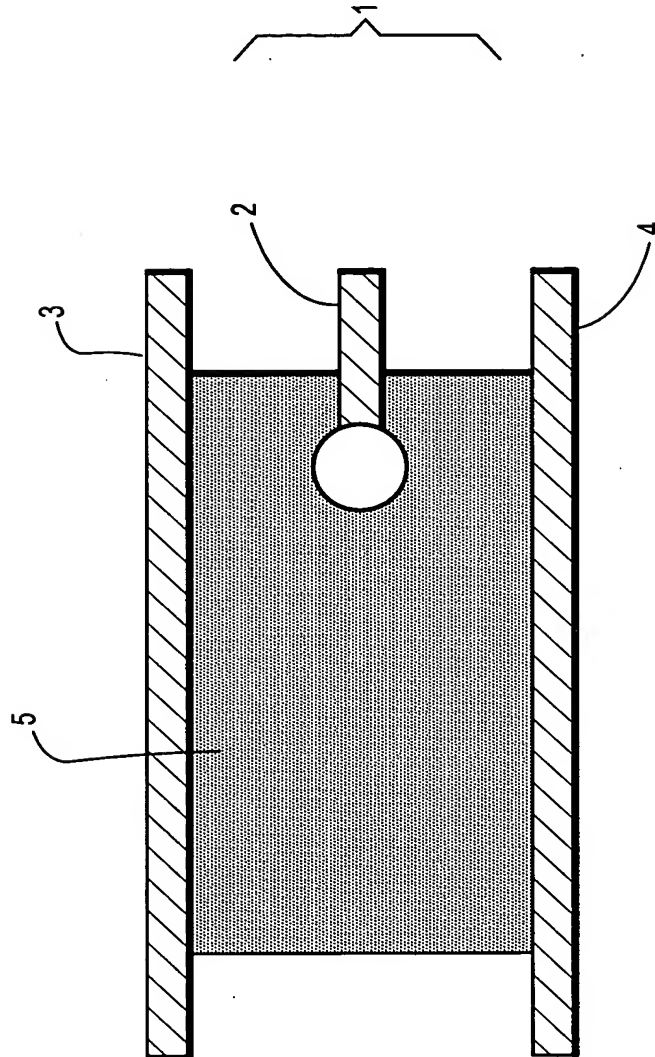


FIG. 6

7/59

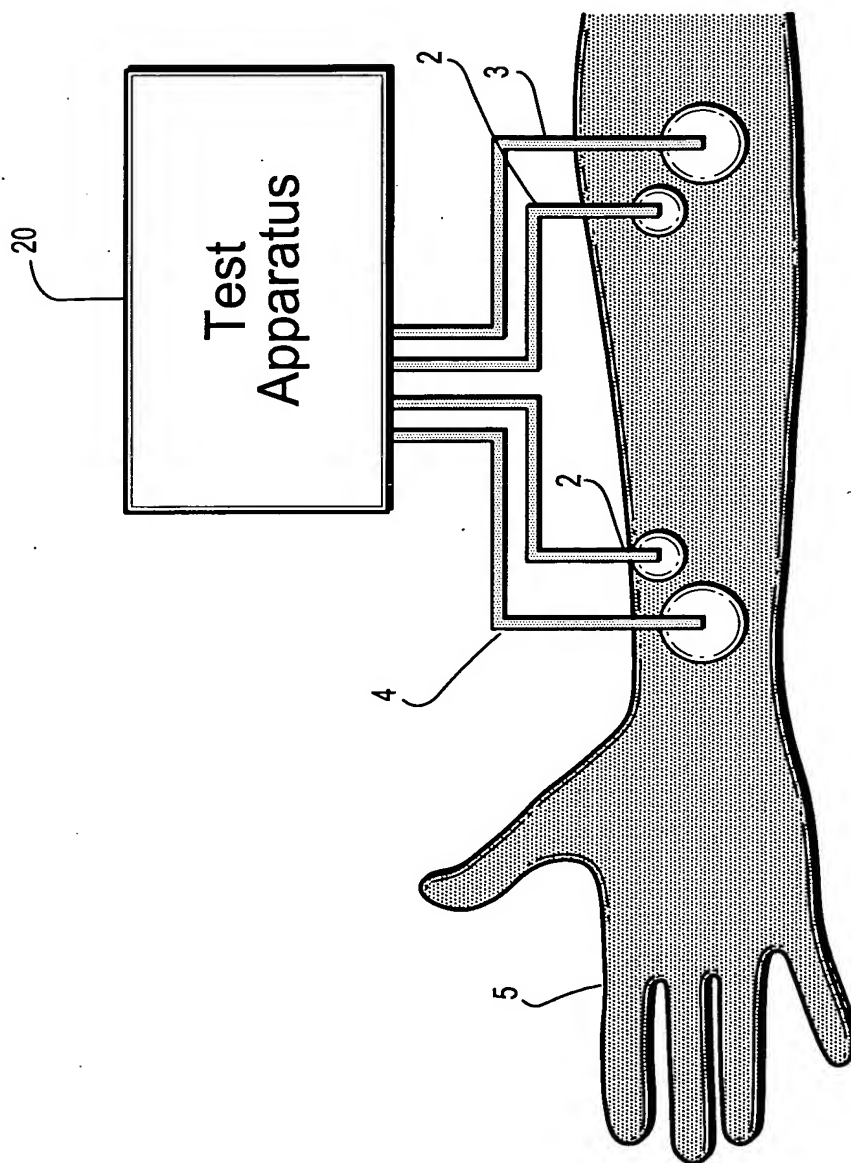


FIG. 7

8/59

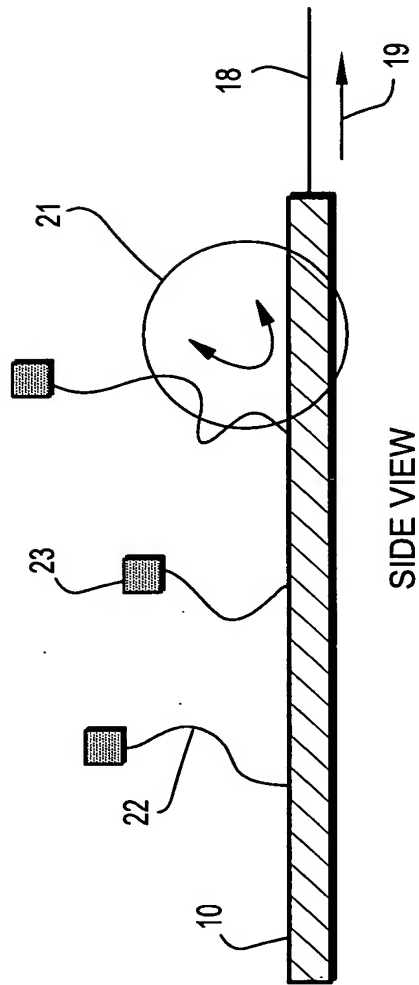


FIG. 8

9/59

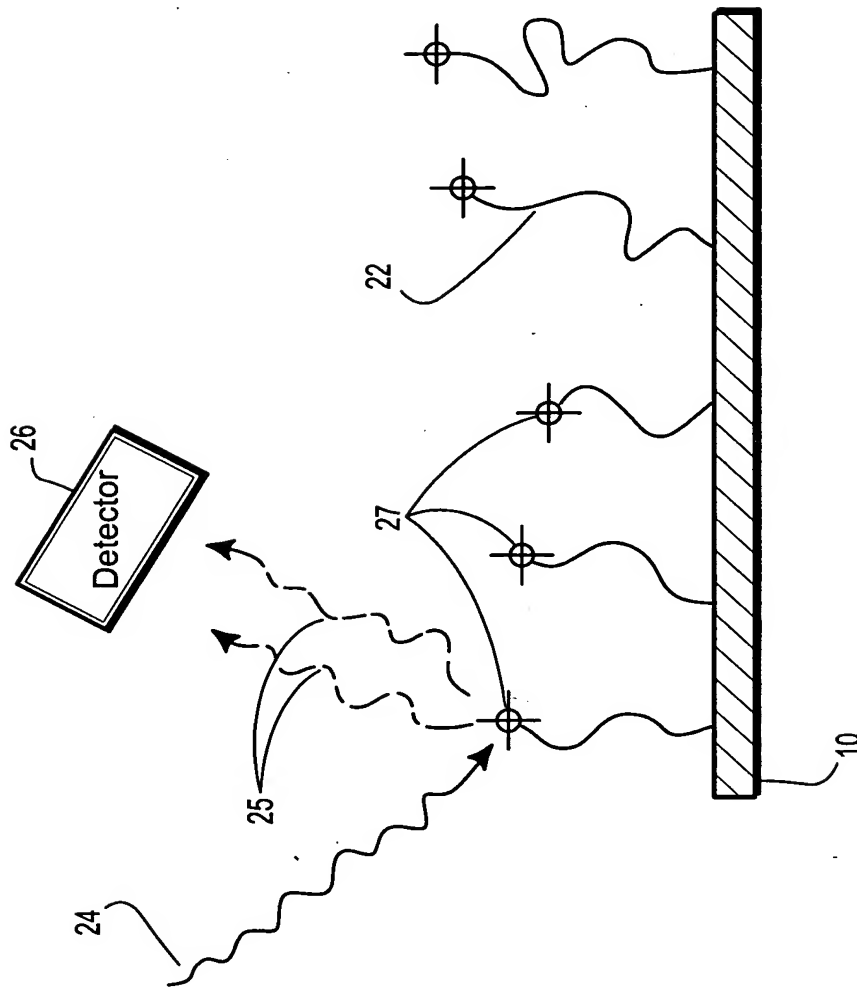


FIG. 9

10/59

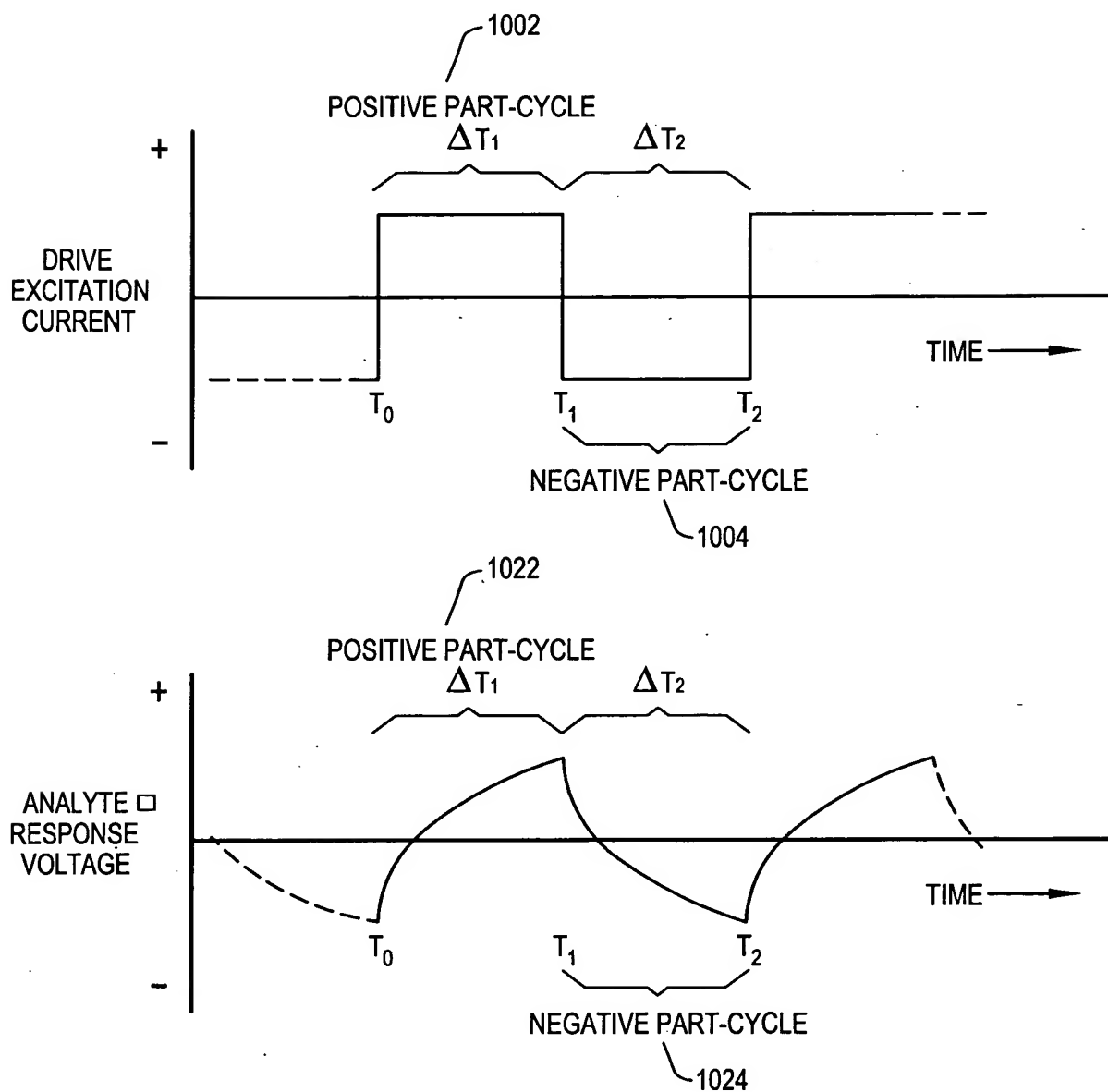


FIG. 10
Excitation and Response Waveforms

11/59

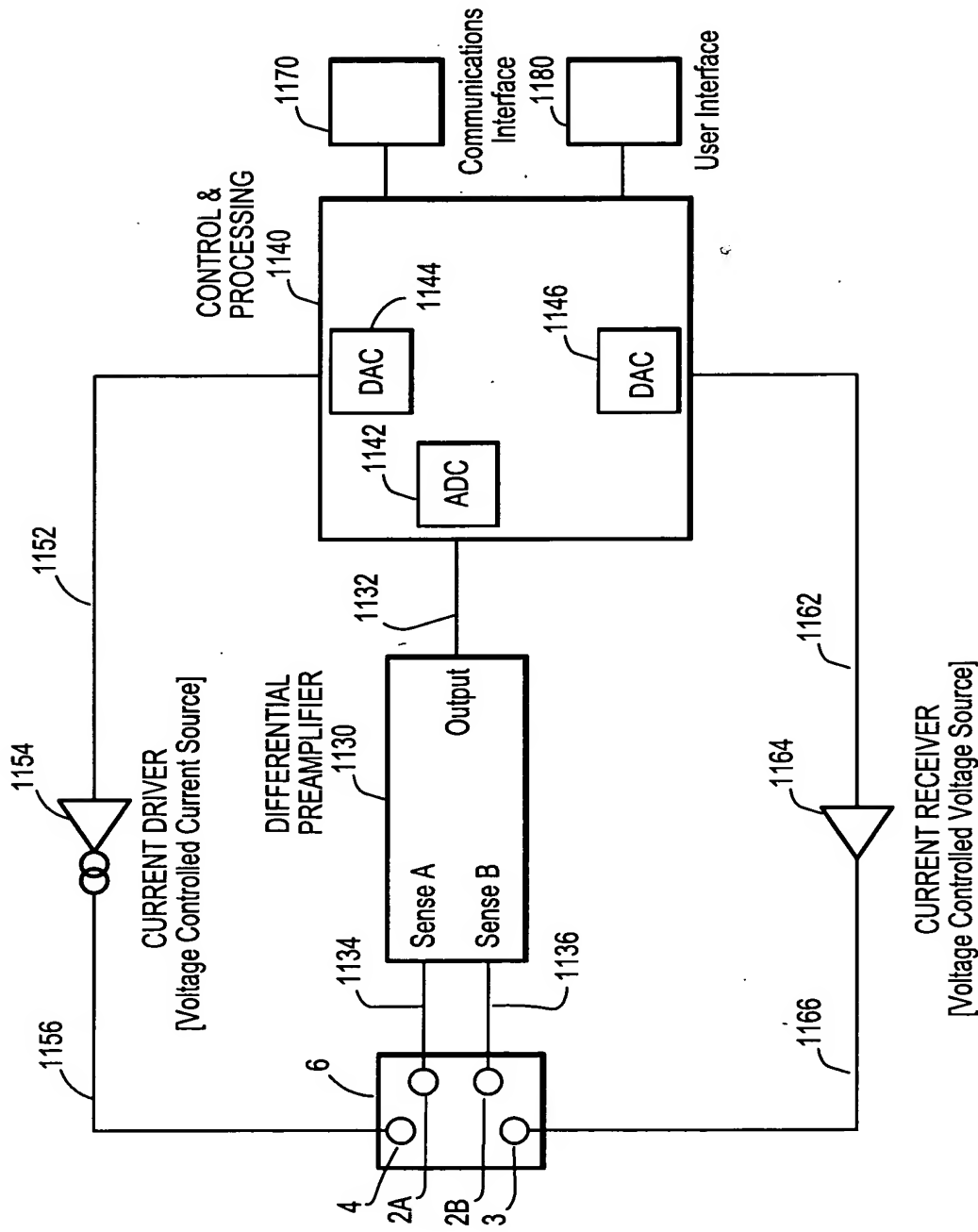


FIG. 11

Galvanodynamic Test System

12/59

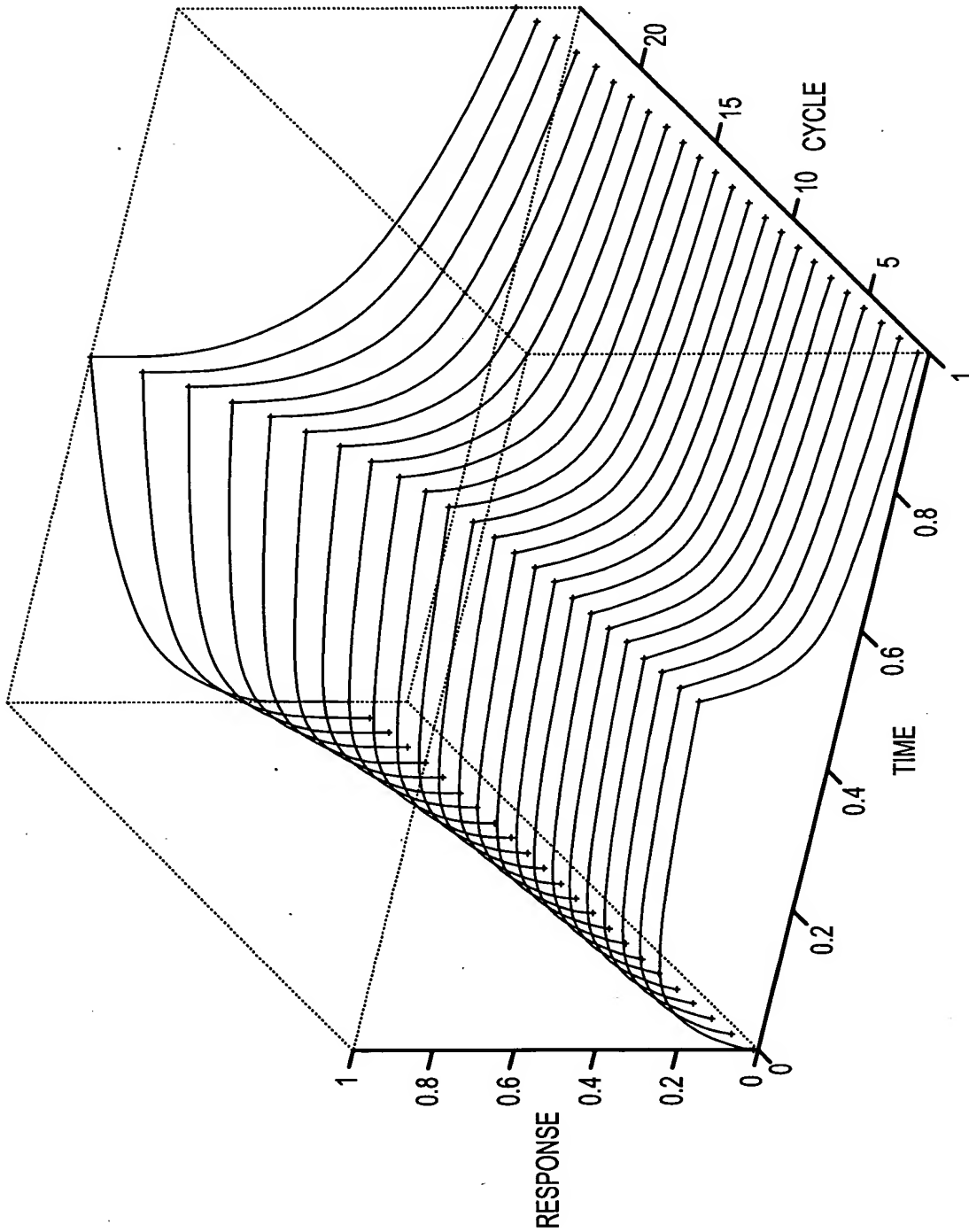


FIG. 12

13/59

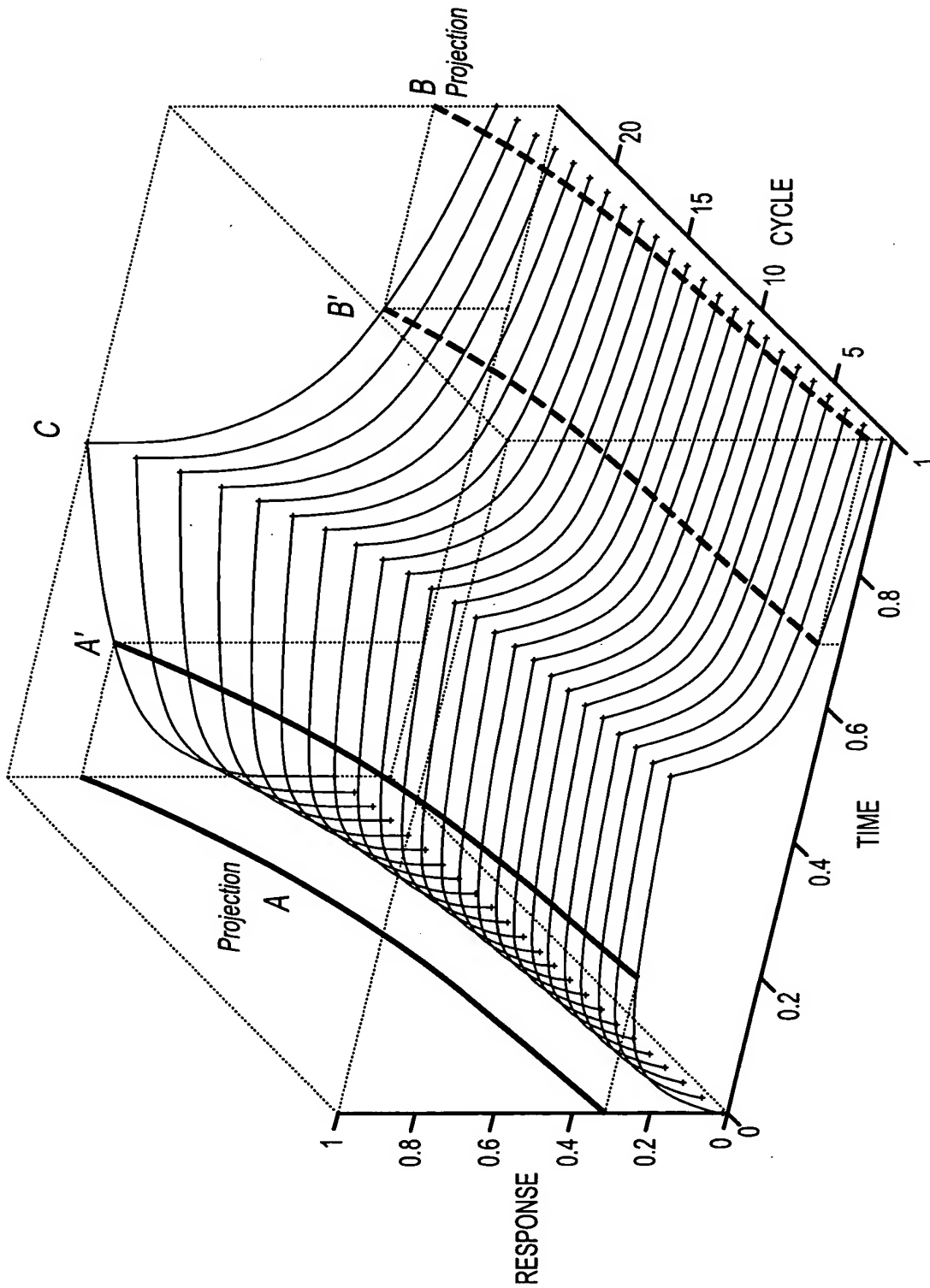


FIG. 13

14/59

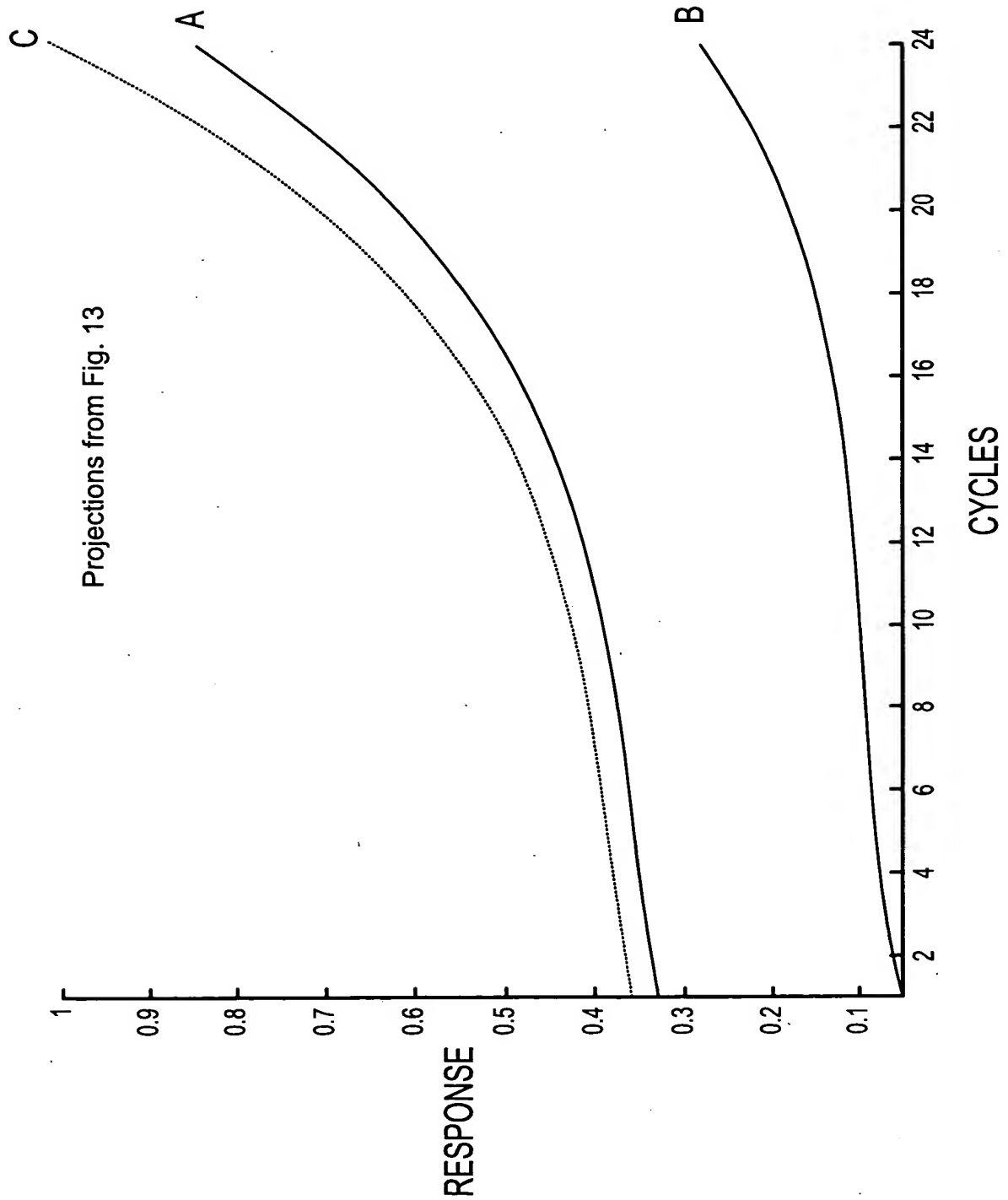


FIG. 14

15/59

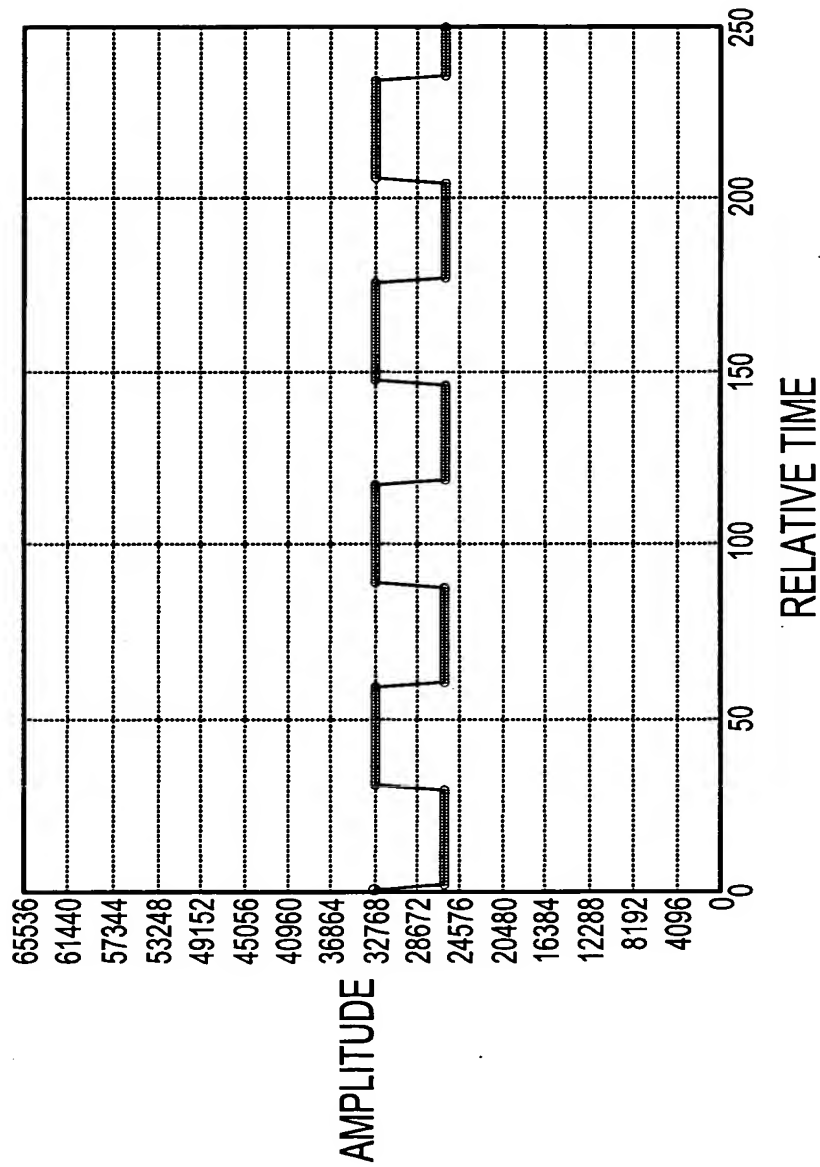


FIG. 15

16/59

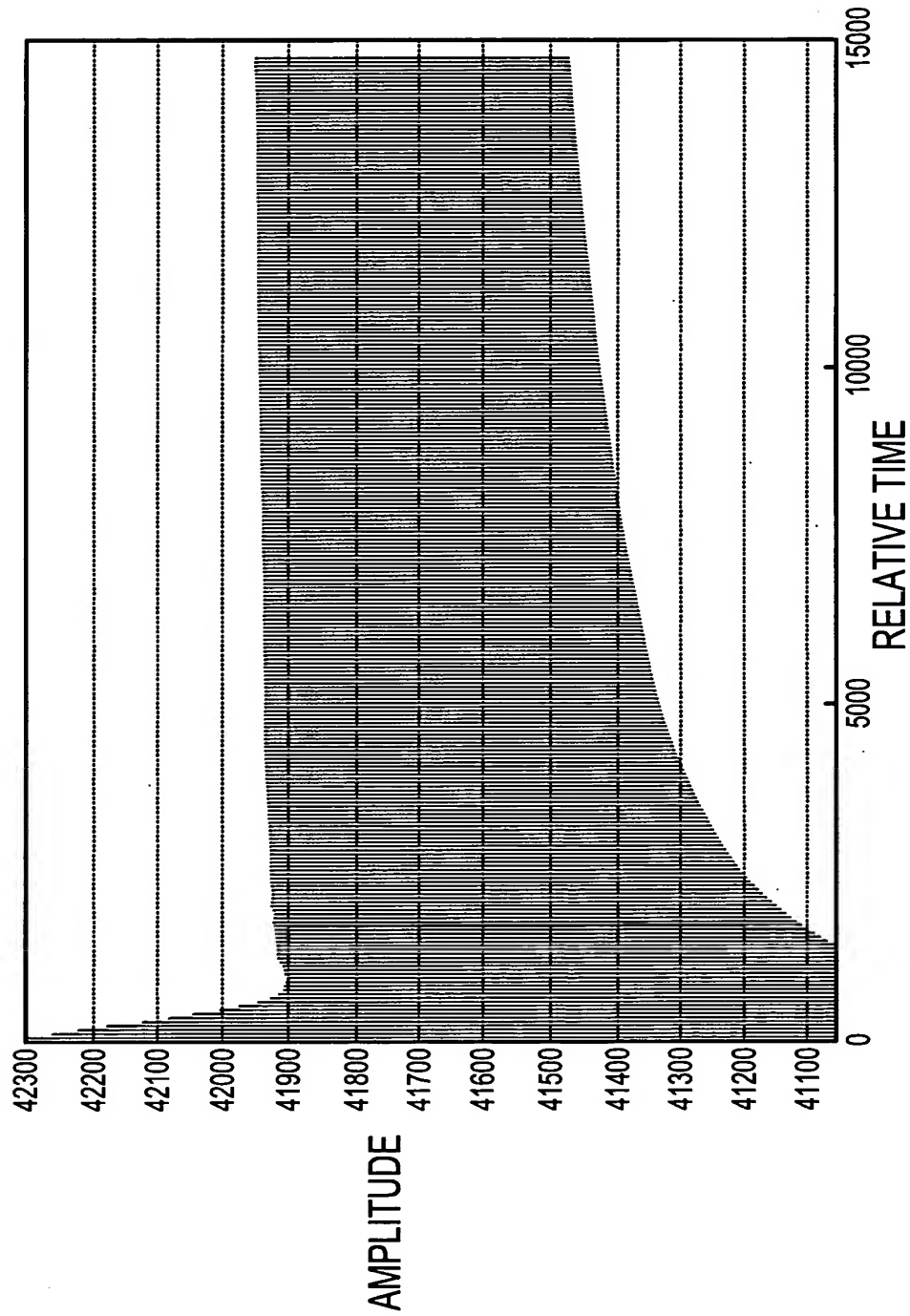


FIG. 16A

17/59

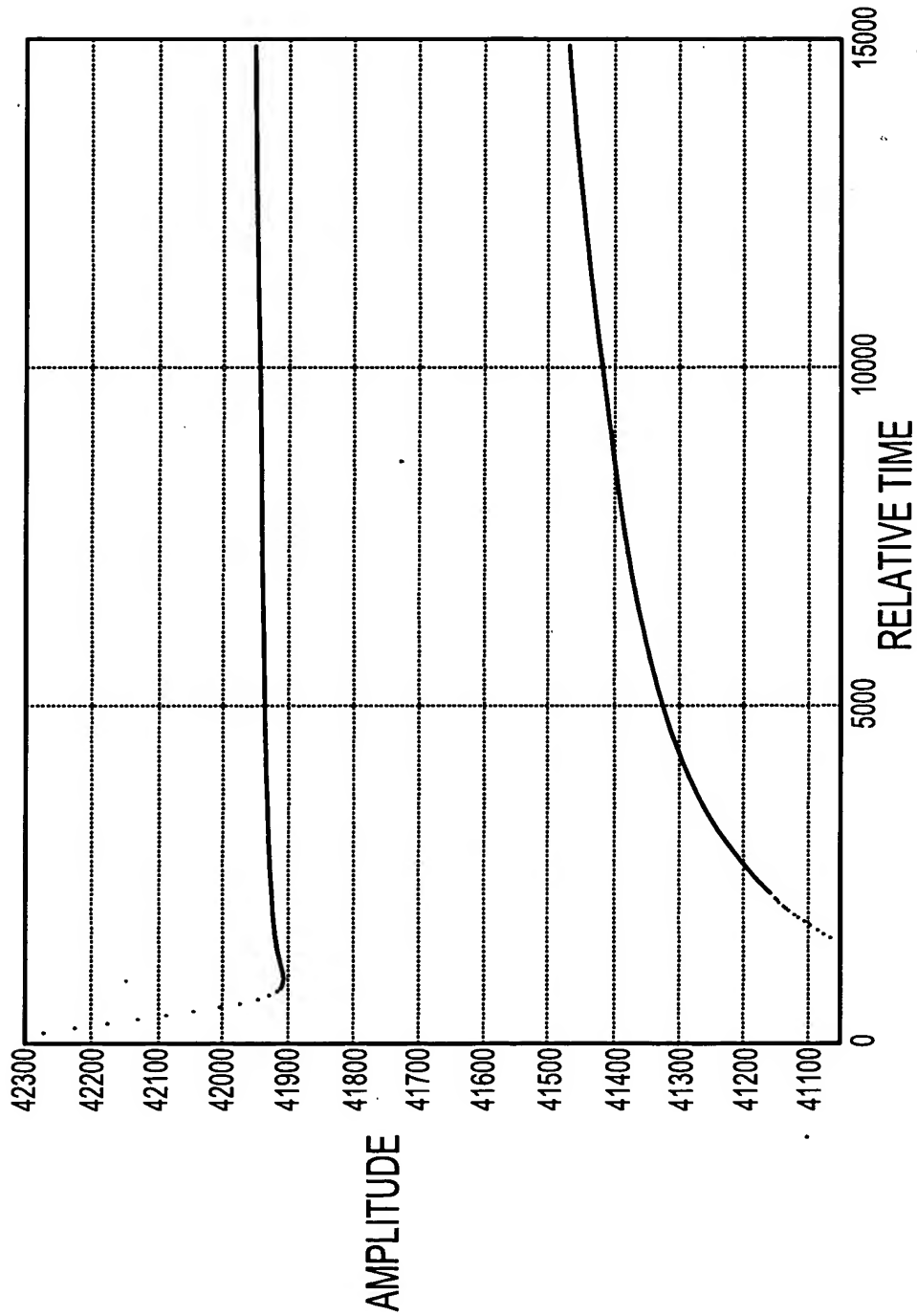


FIG. 16B

18/59

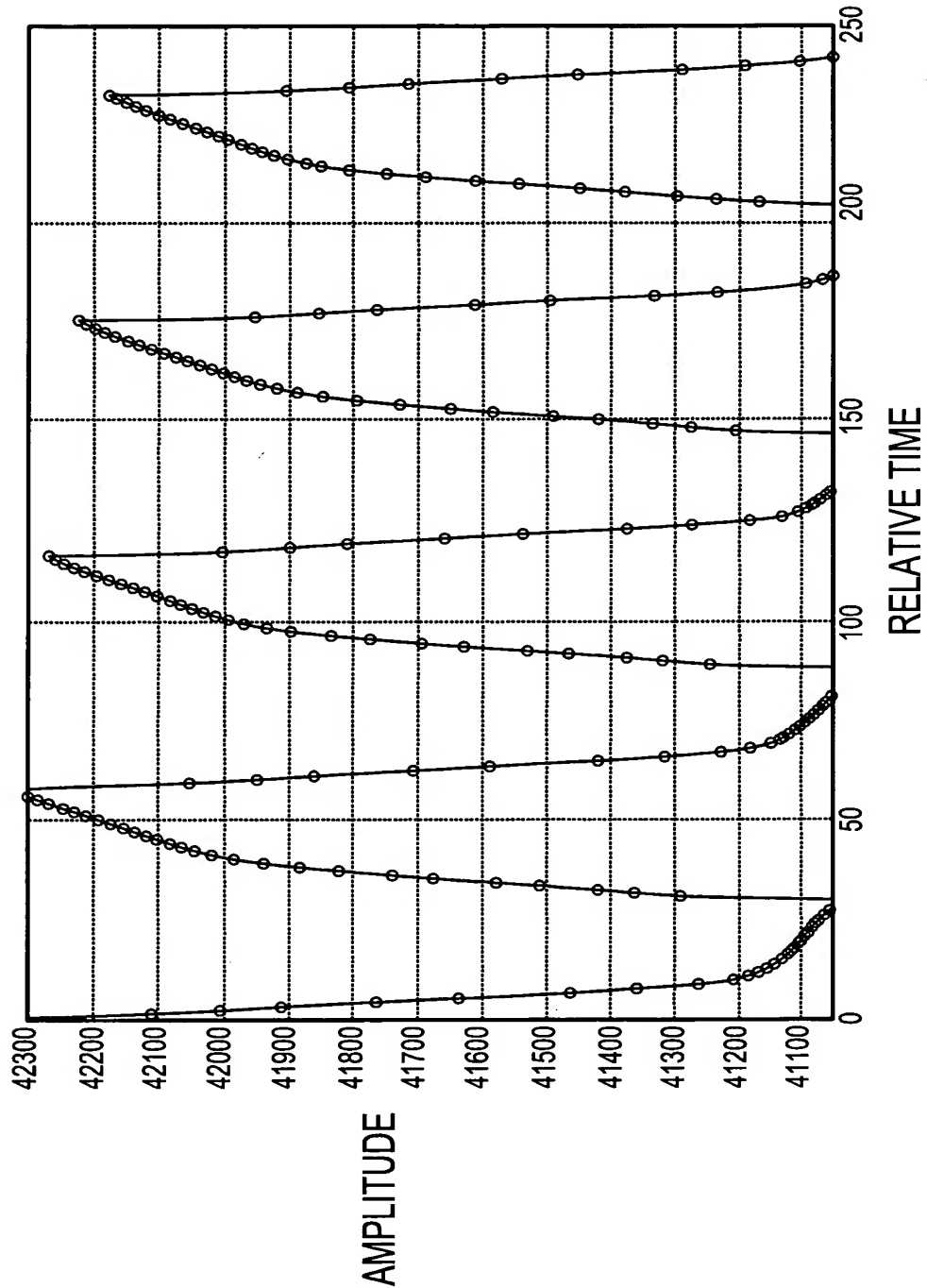


FIG. 16C

19/59

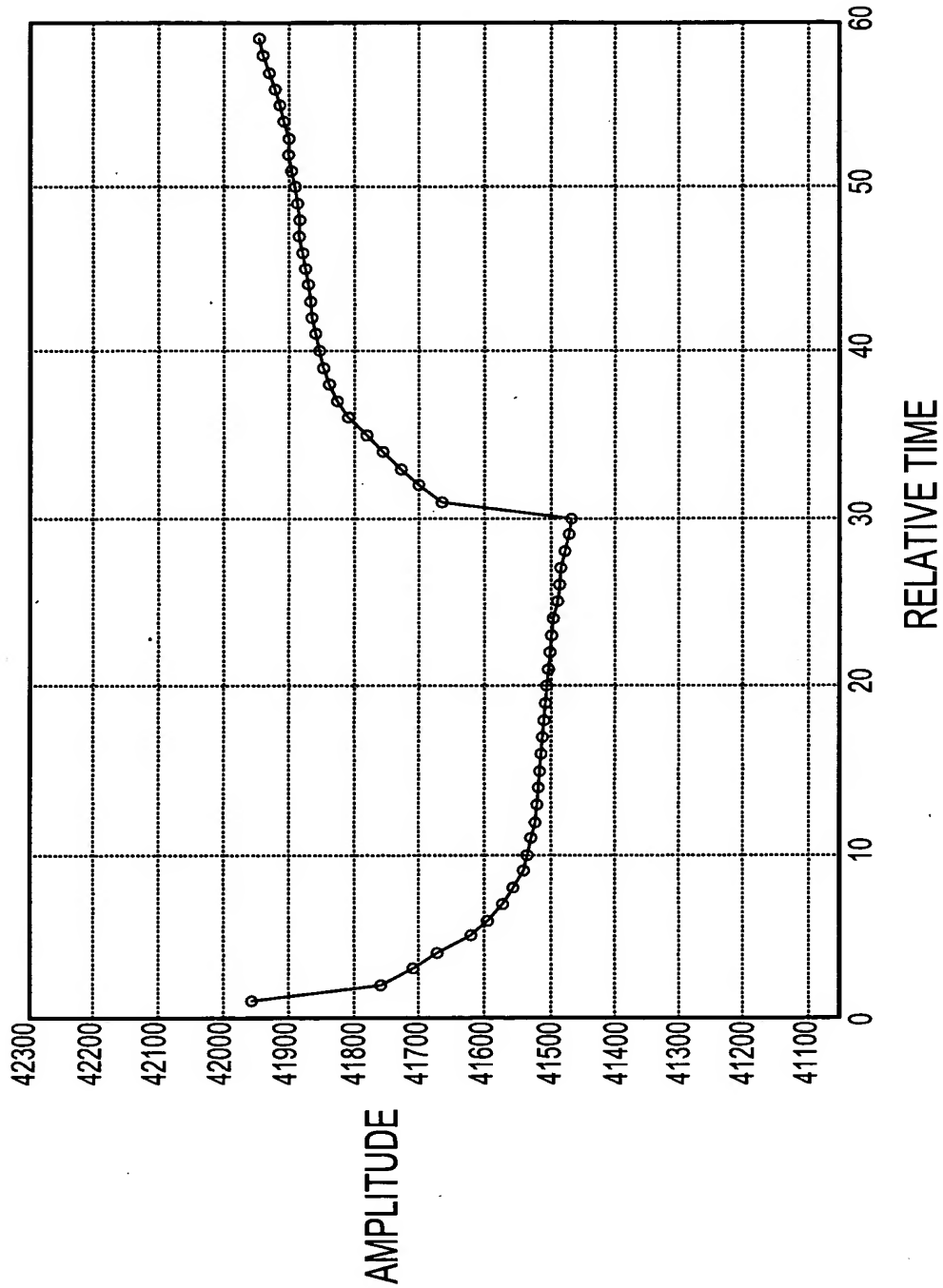


FIG. 16D

20/59

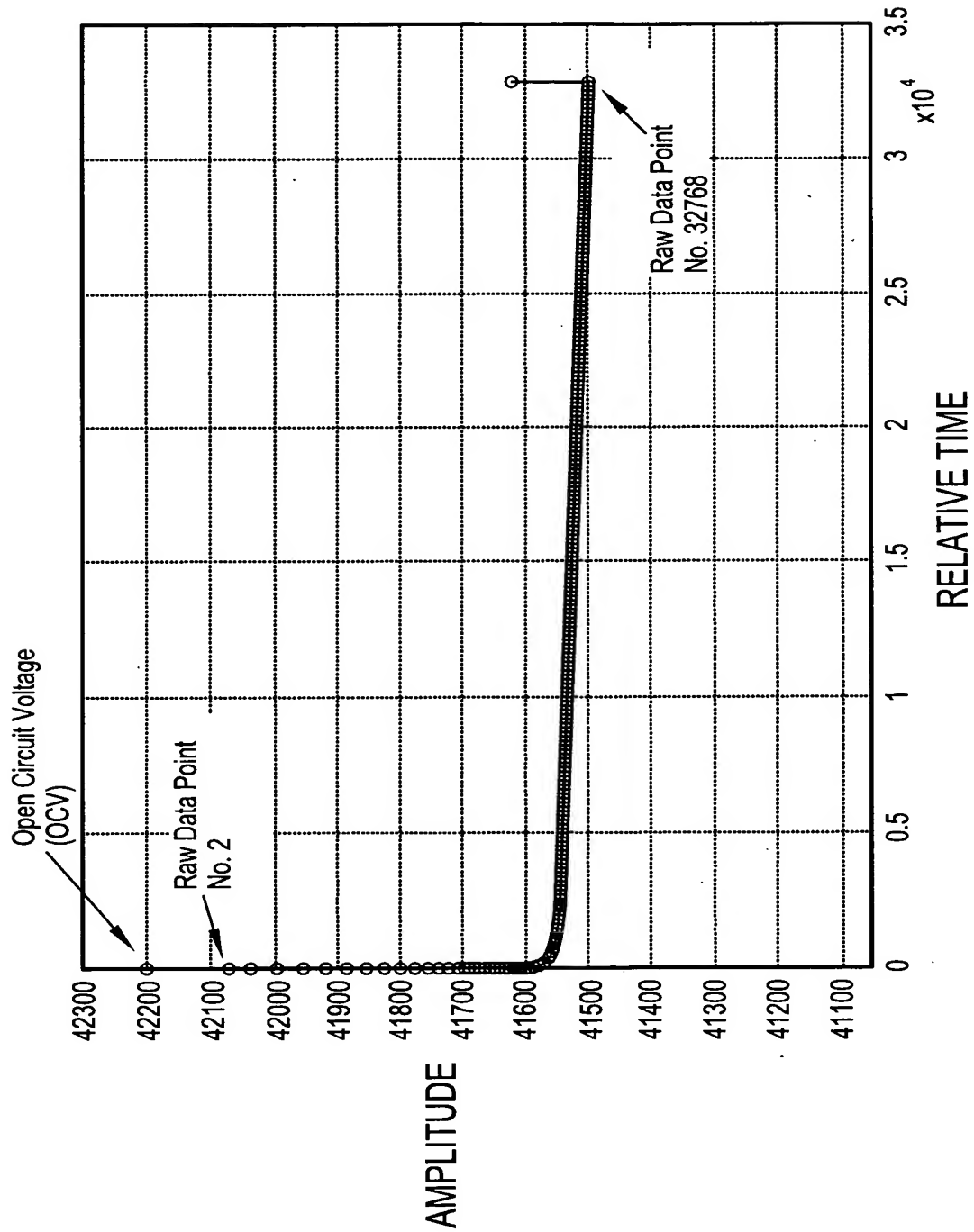


FIG. 17A

21/59

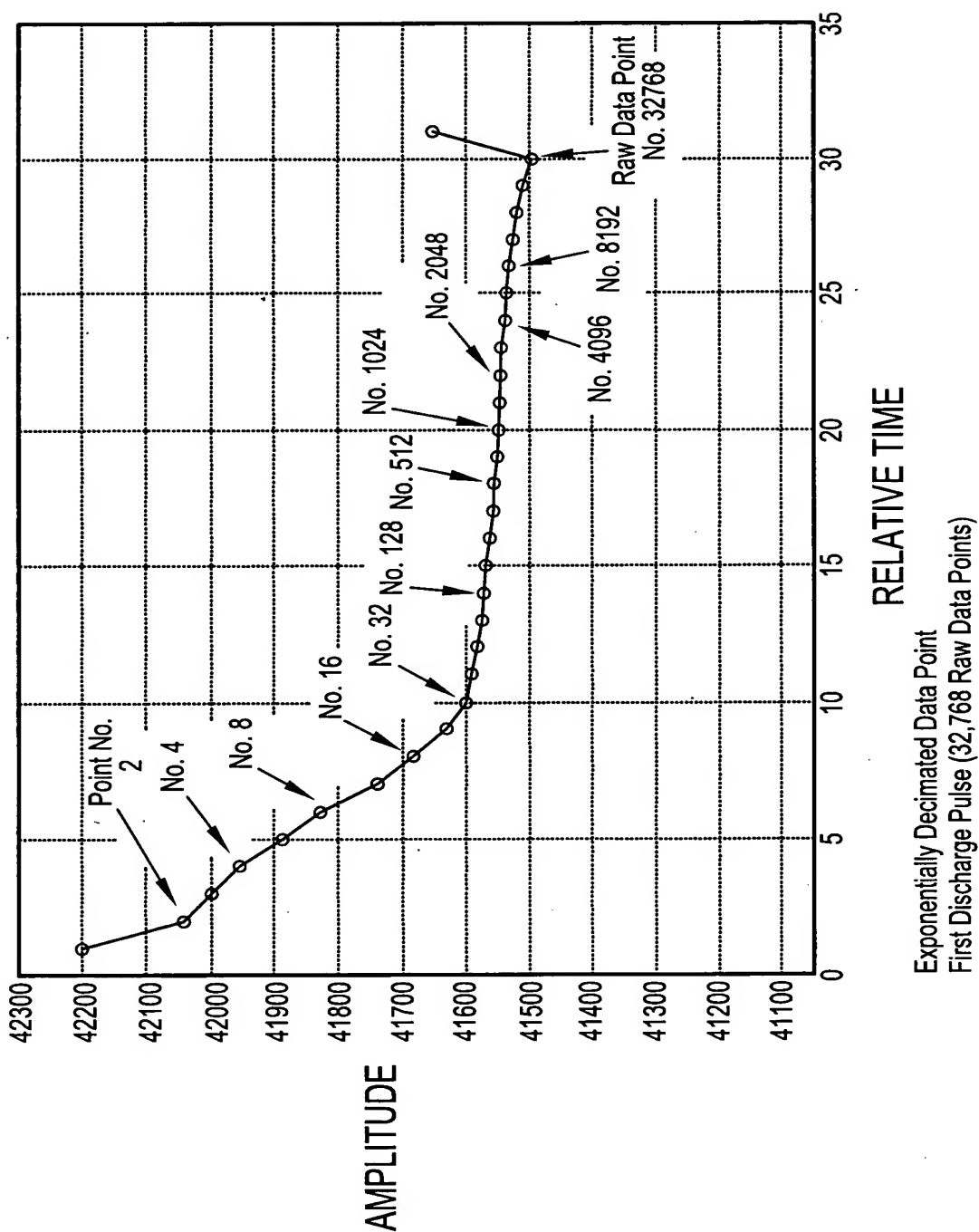


FIG. 17B

22/59

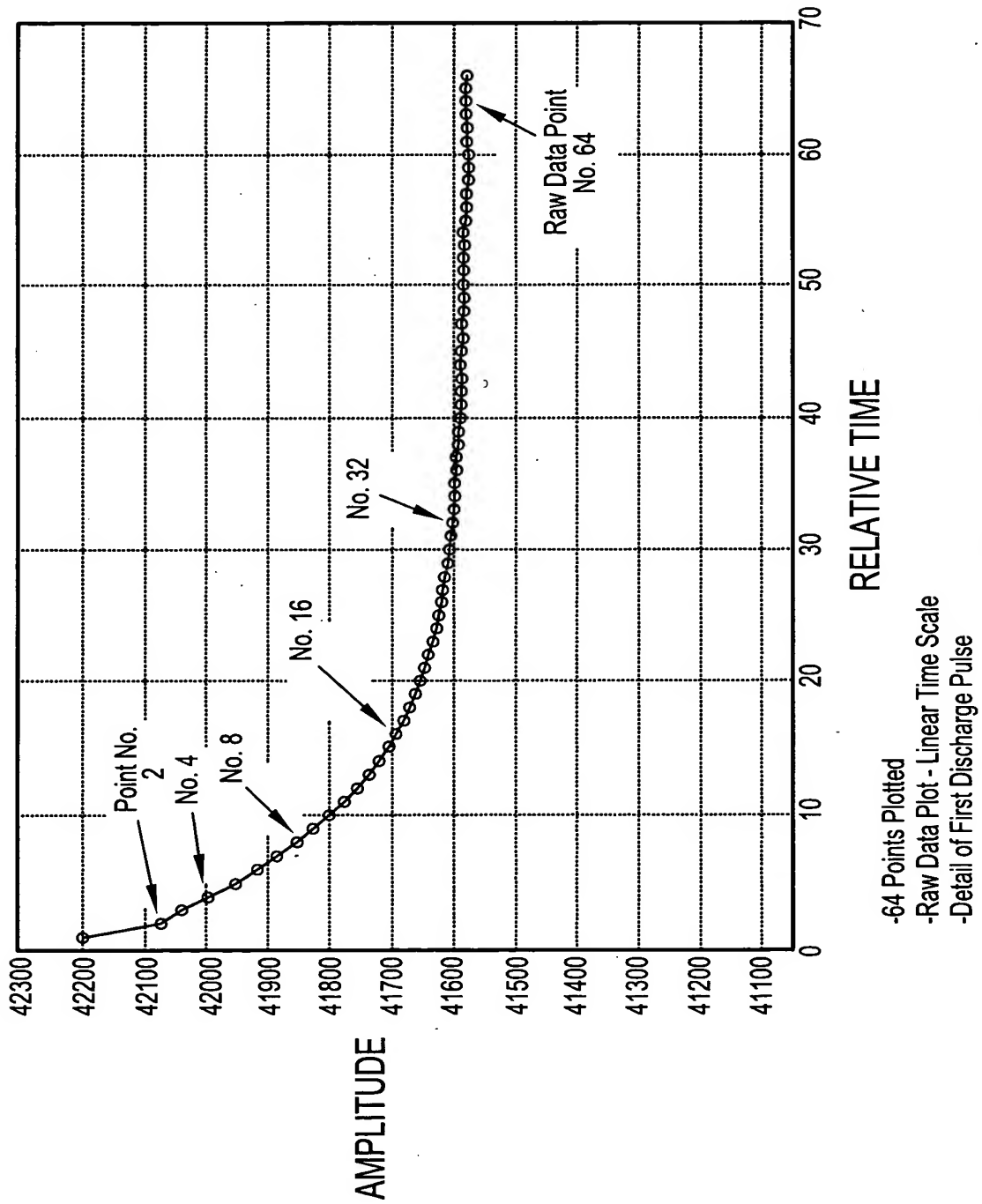


FIG. 17C

23/59

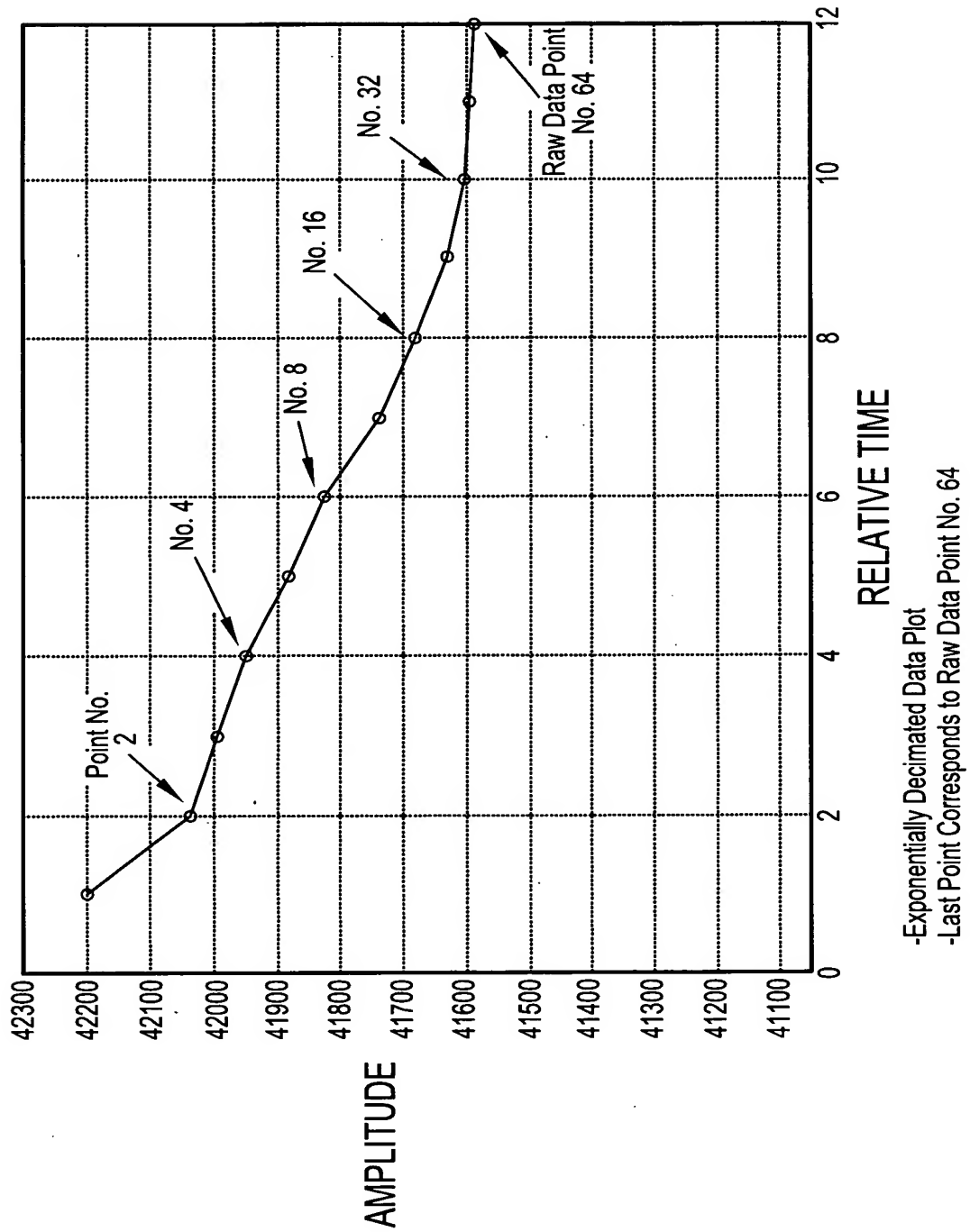


FIG. 17D

24/59

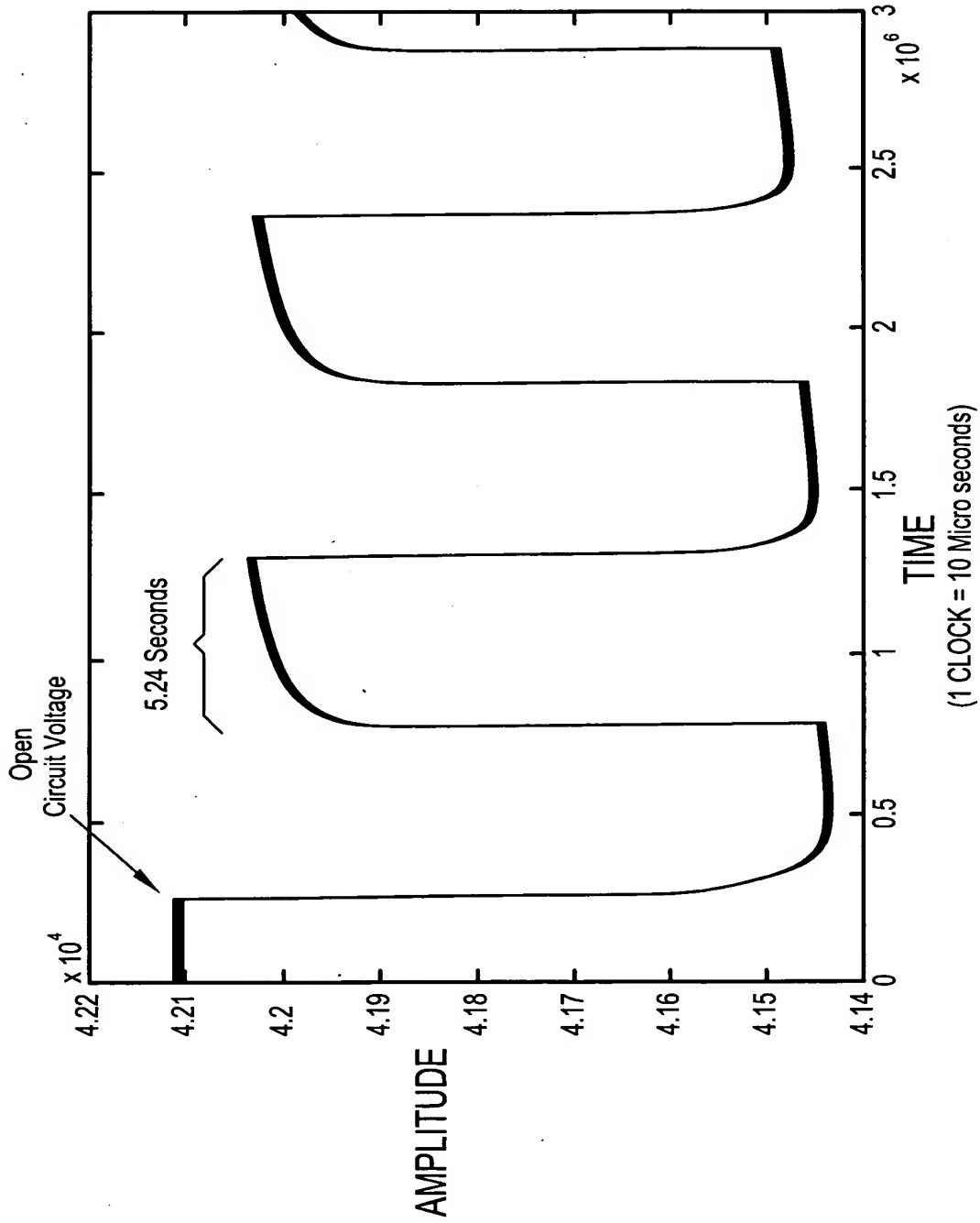


FIG. 18A

25/59

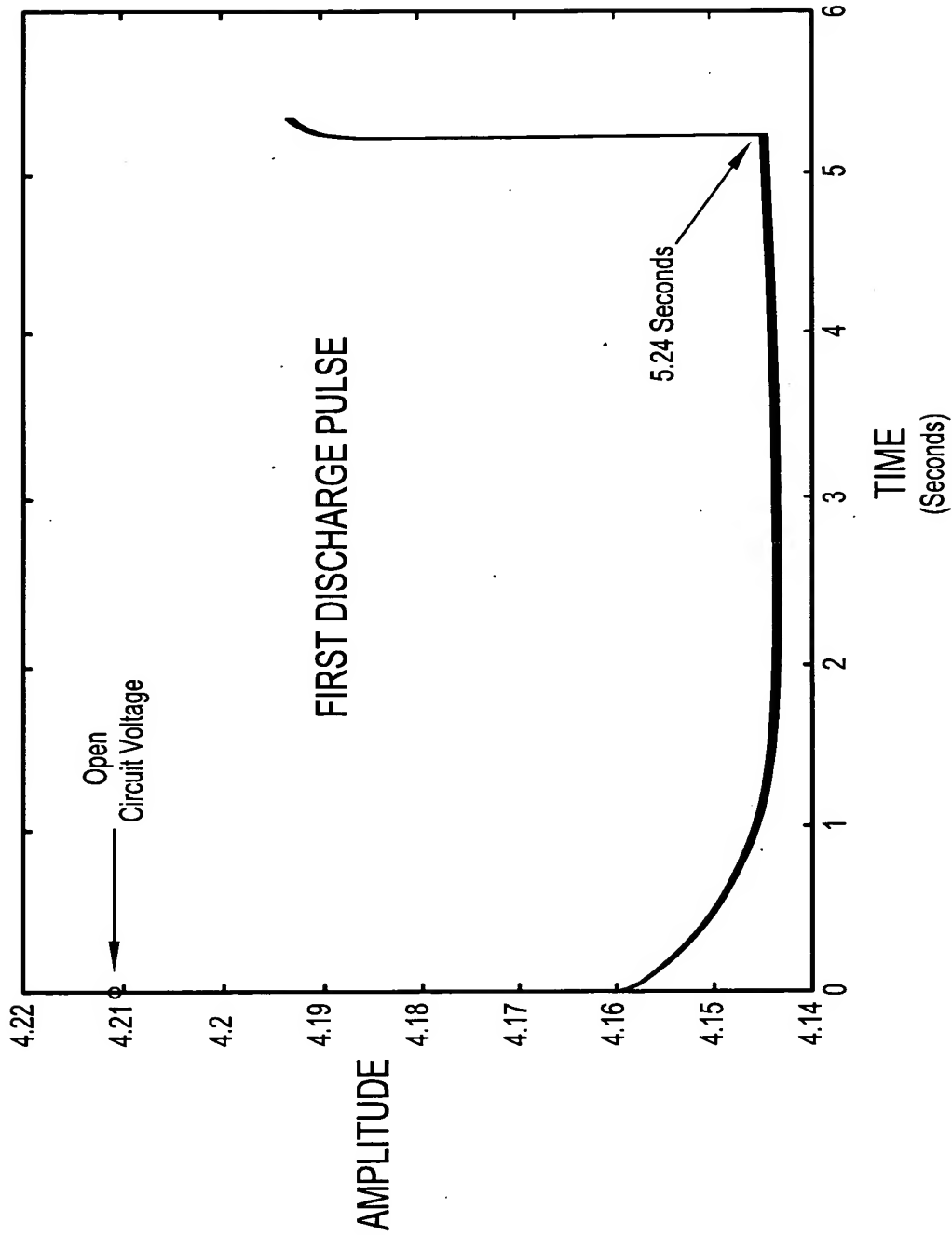


FIG. 18B

26/59

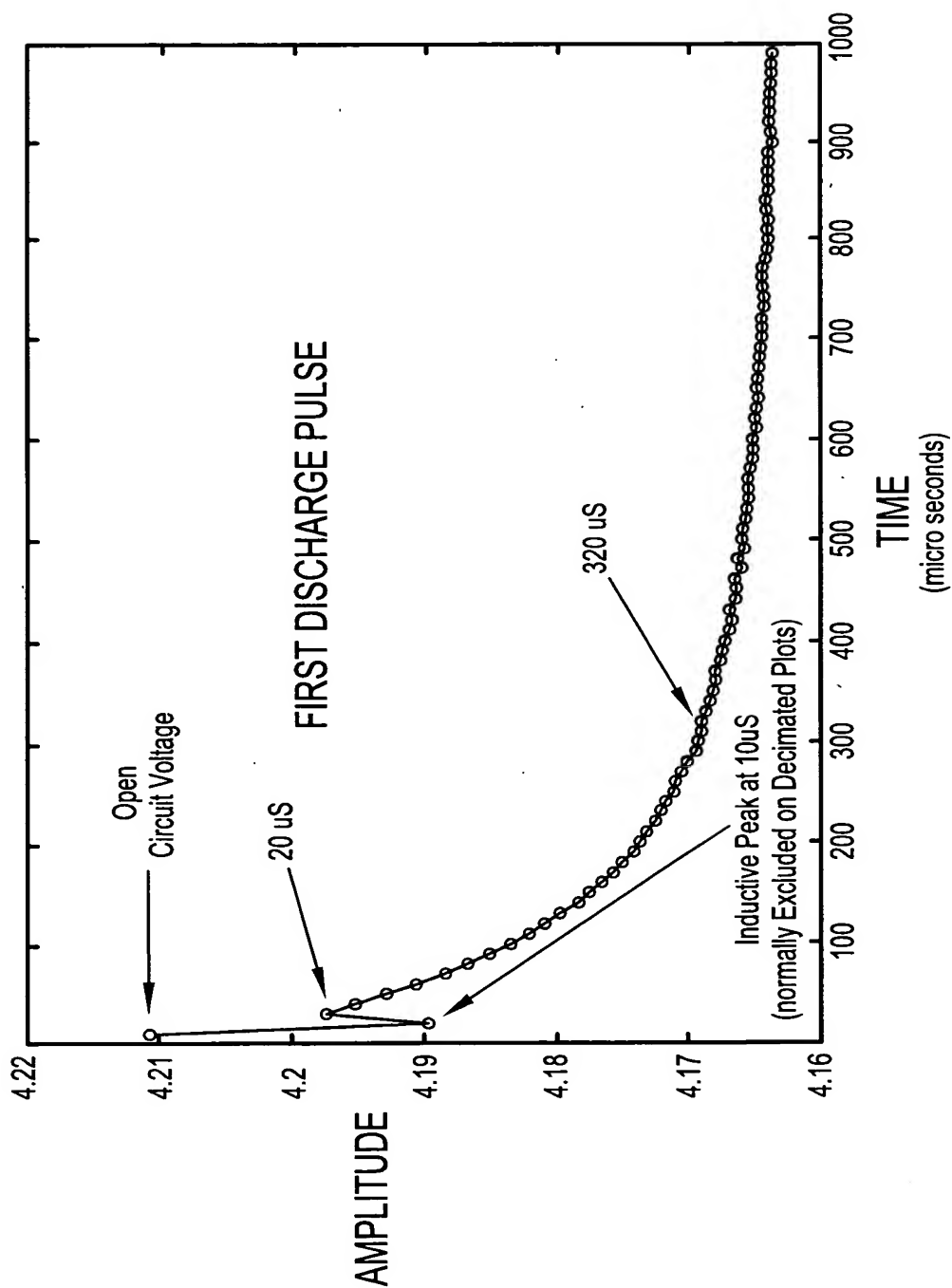
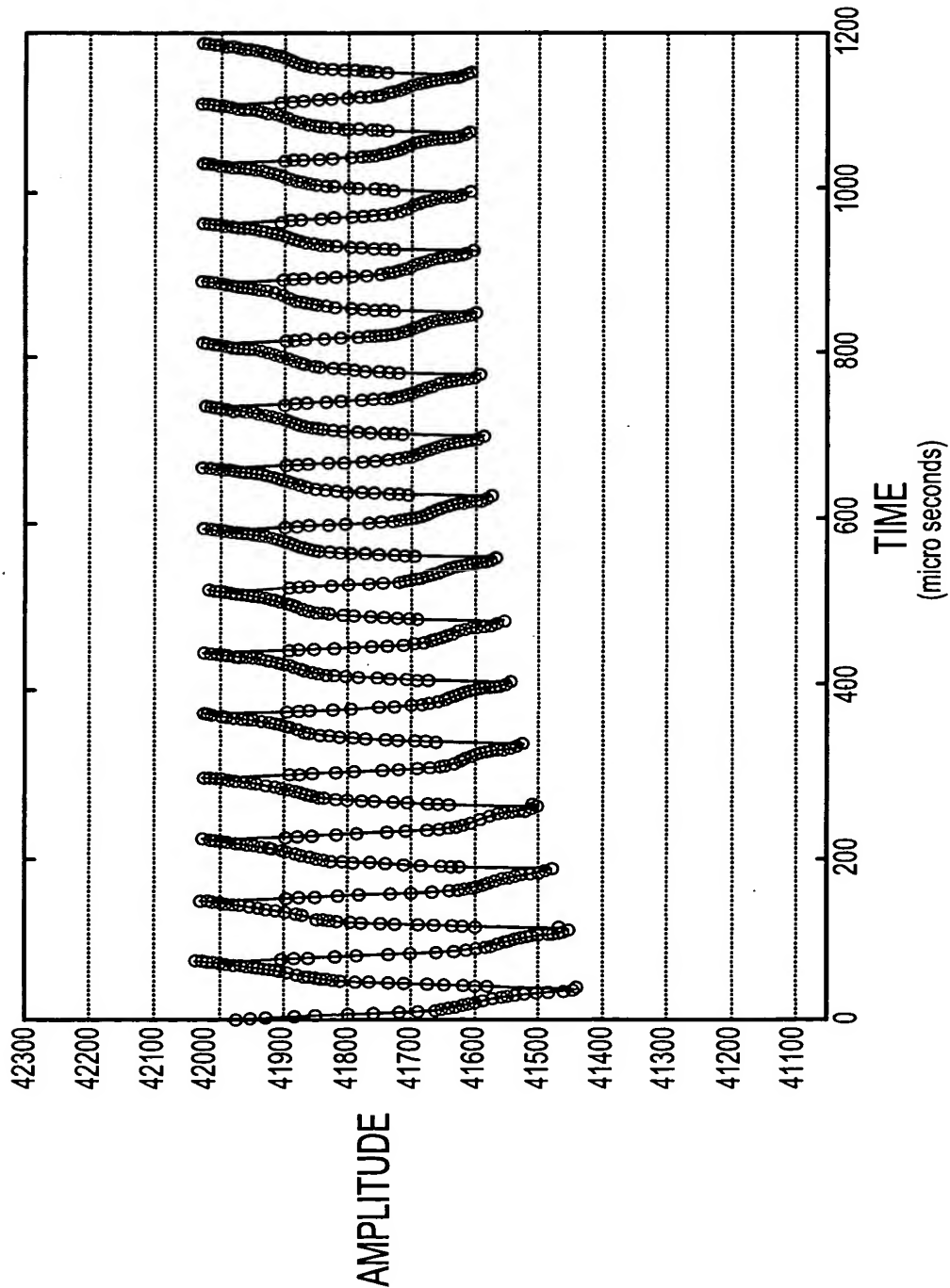


FIG. 18C

27/59



-Exponentially Decimated Data Plot - 16 Full Cycles
-Sampling Frequency: 100kHz
-Pulse Duration - 5.24 Seconds

FIG. 18D

28/59

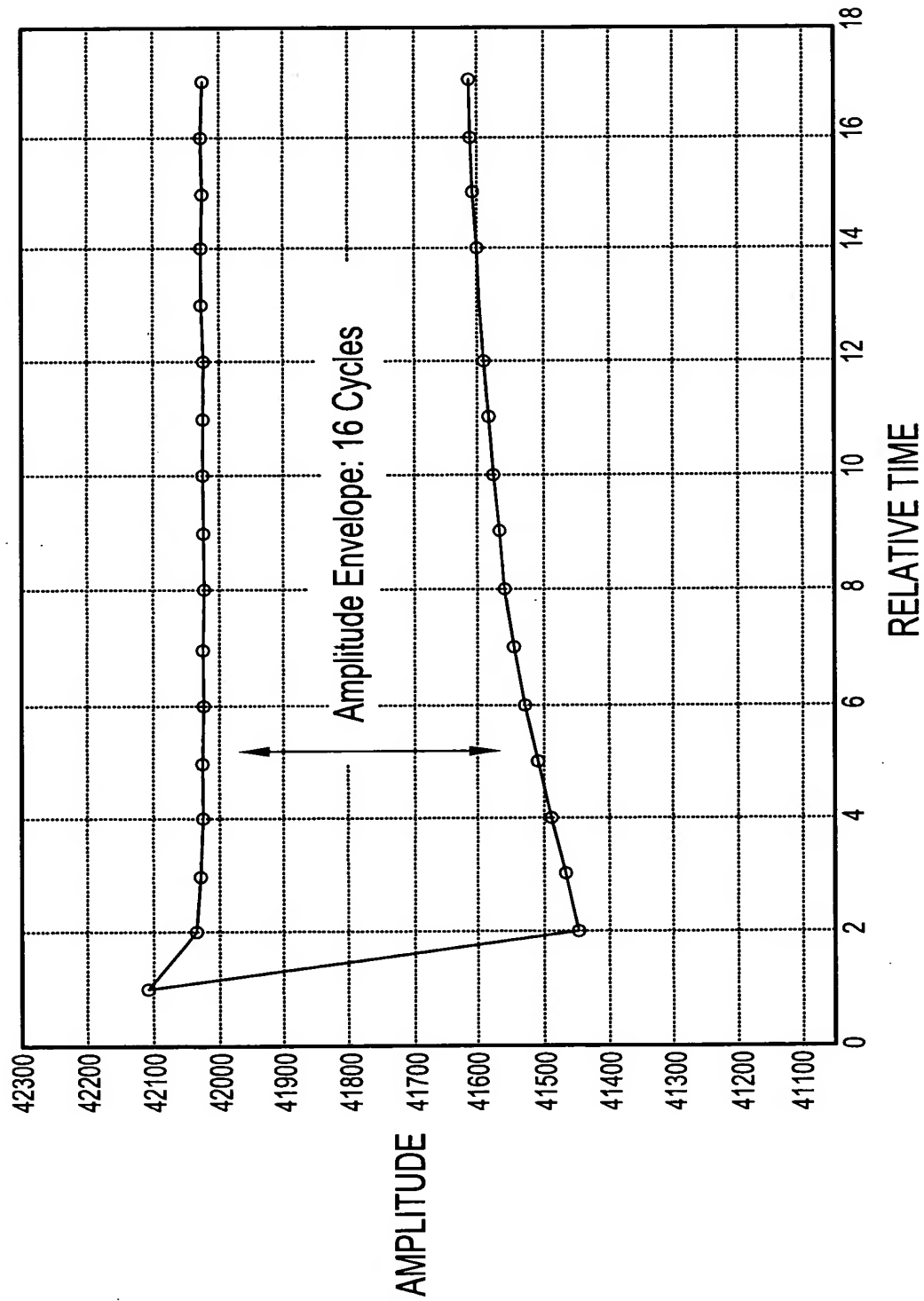


FIG. 18E

29/59

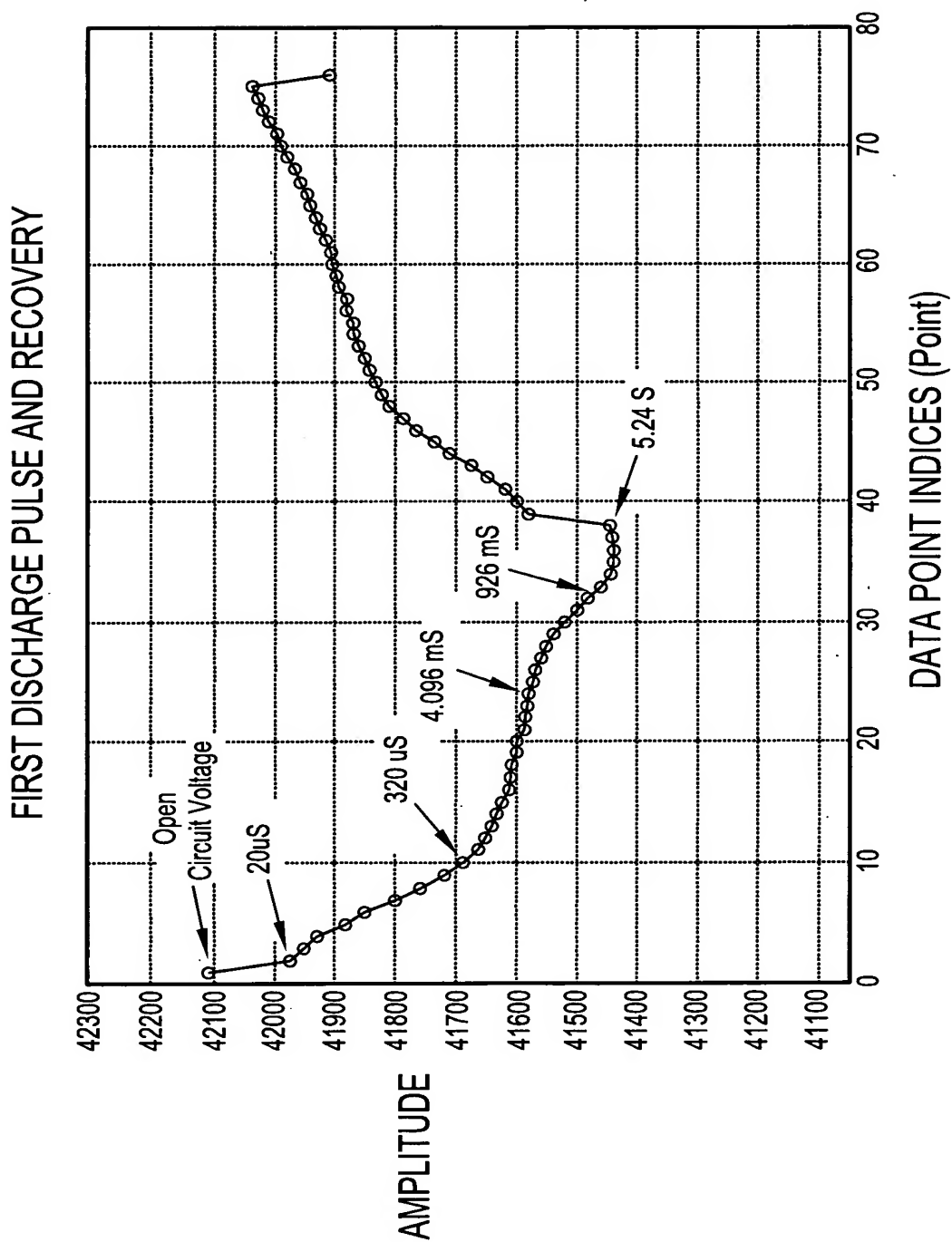


FIG. 18F

30/59

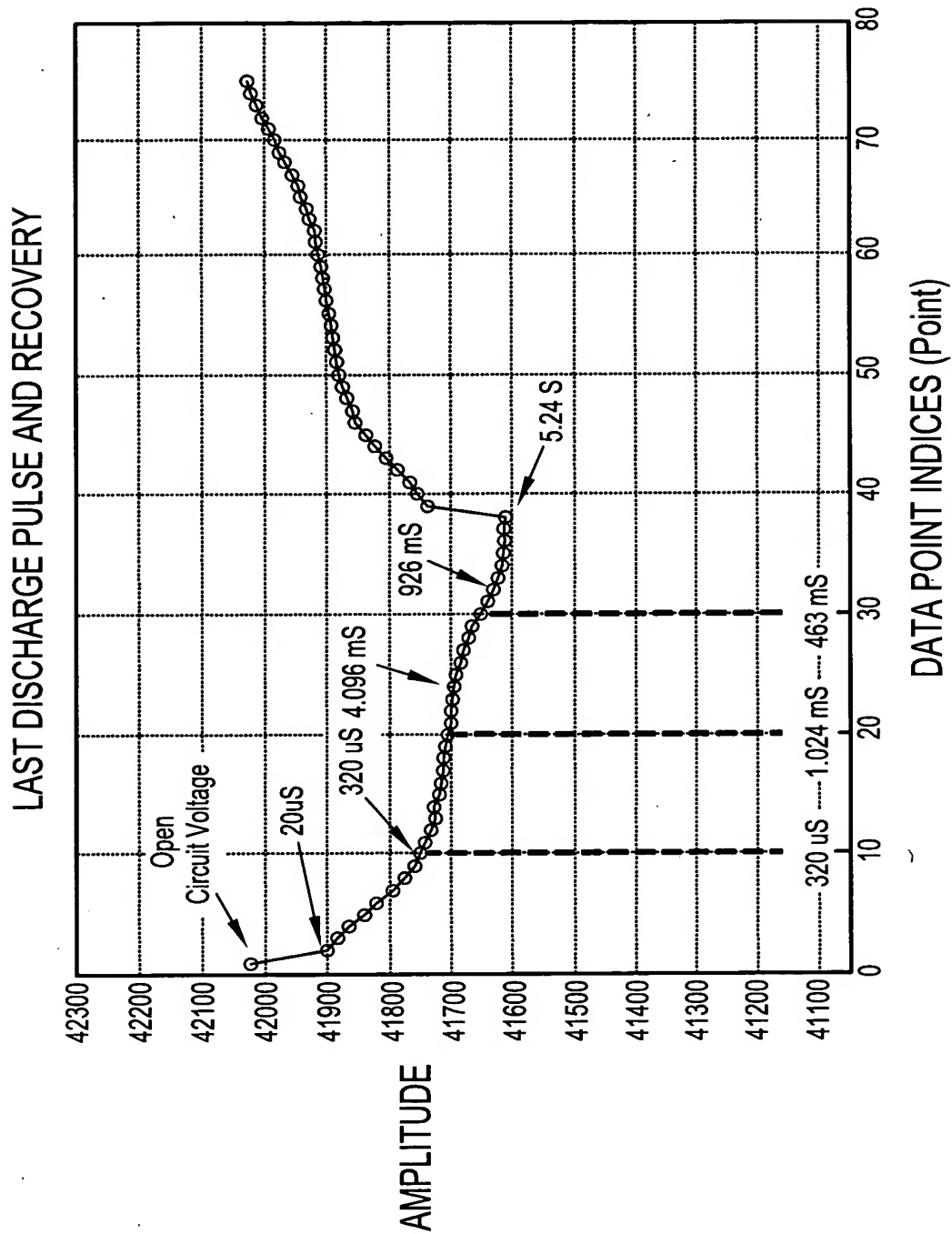


FIG. 18G

31/59

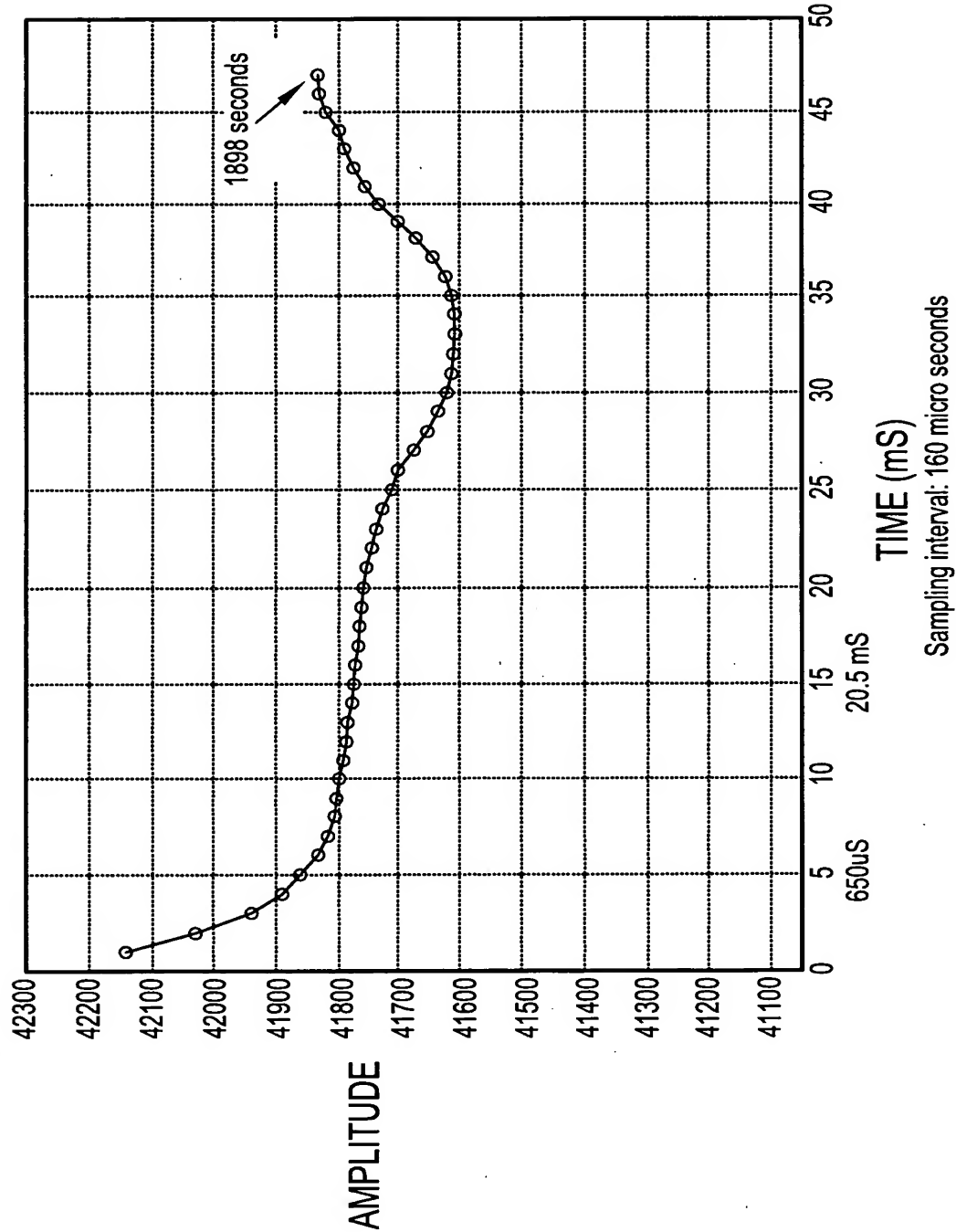


FIG. 19

32/59

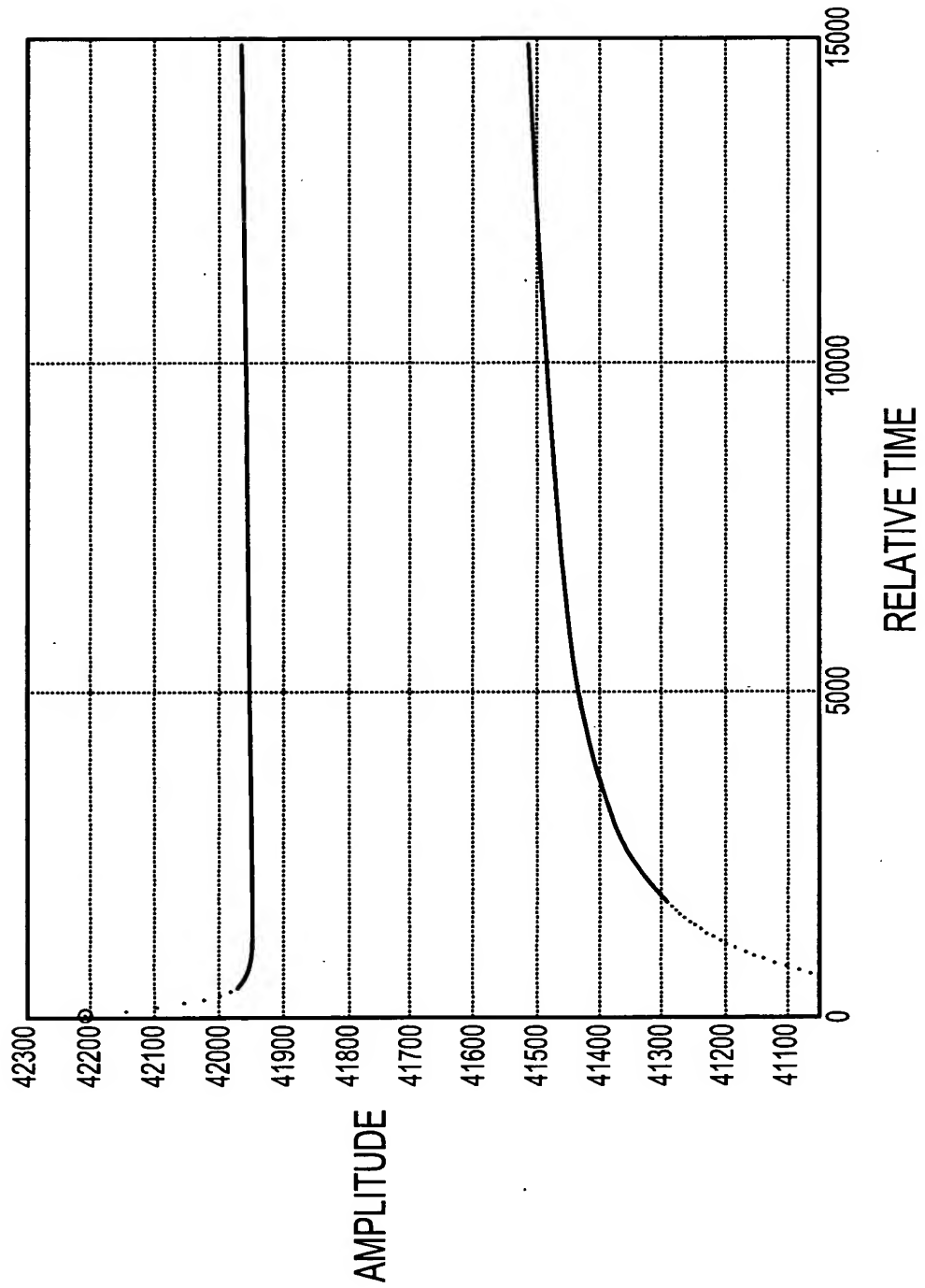


FIG. 20A

33/59

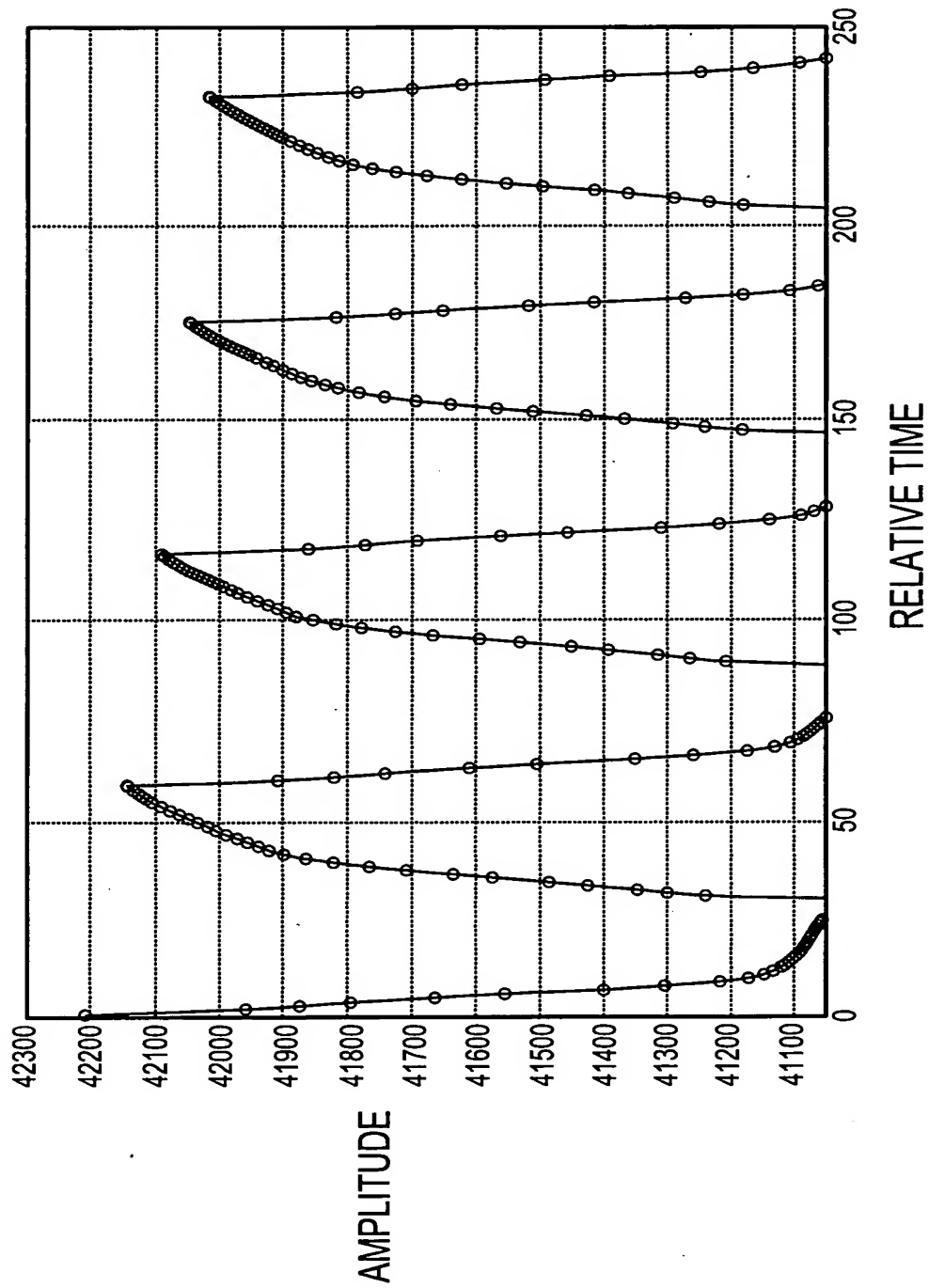


FIG. 20B

34/59

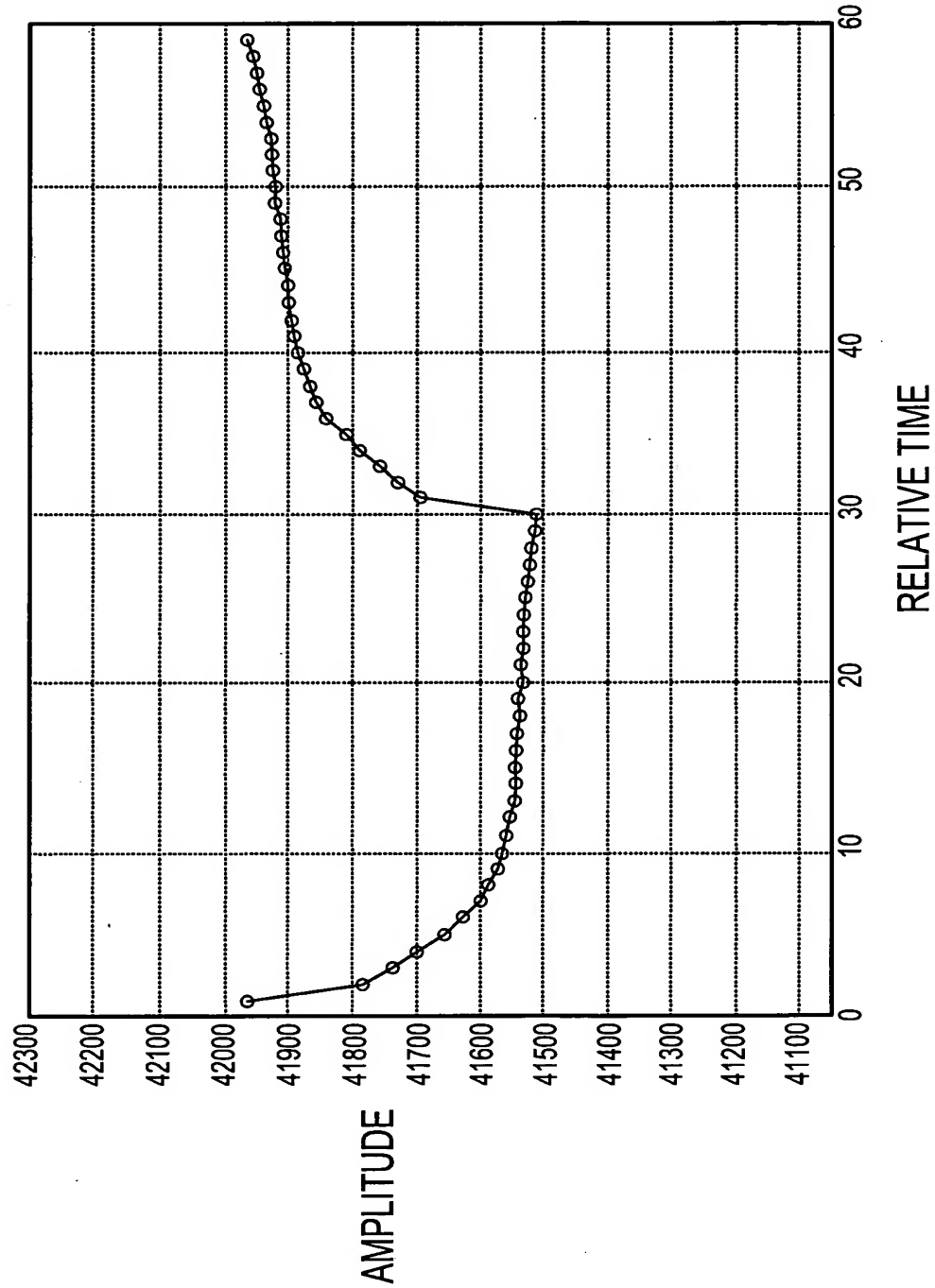


FIG. 20C

35/59

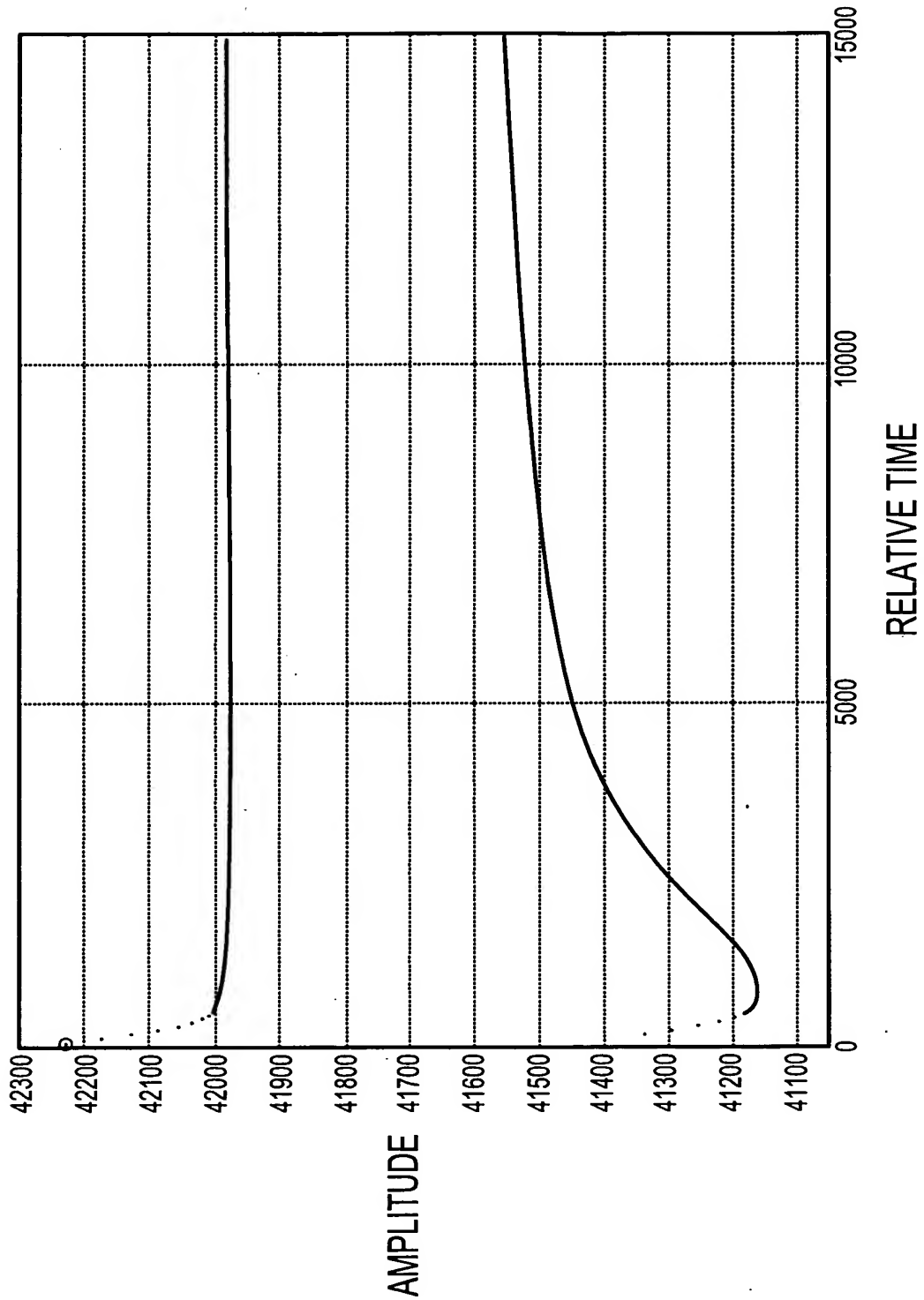


FIG. 21A

36/59

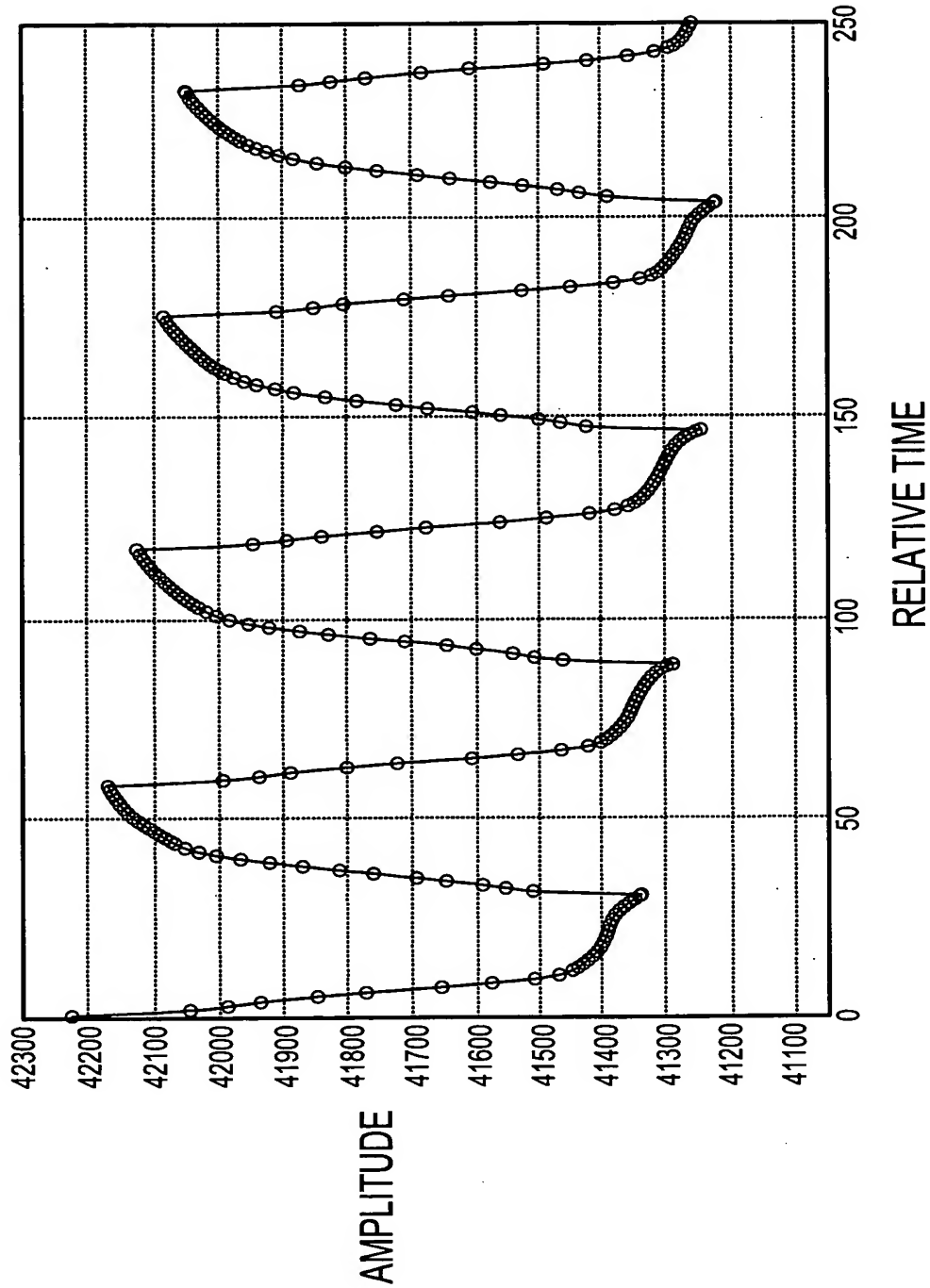


FIG. 21B

37/59

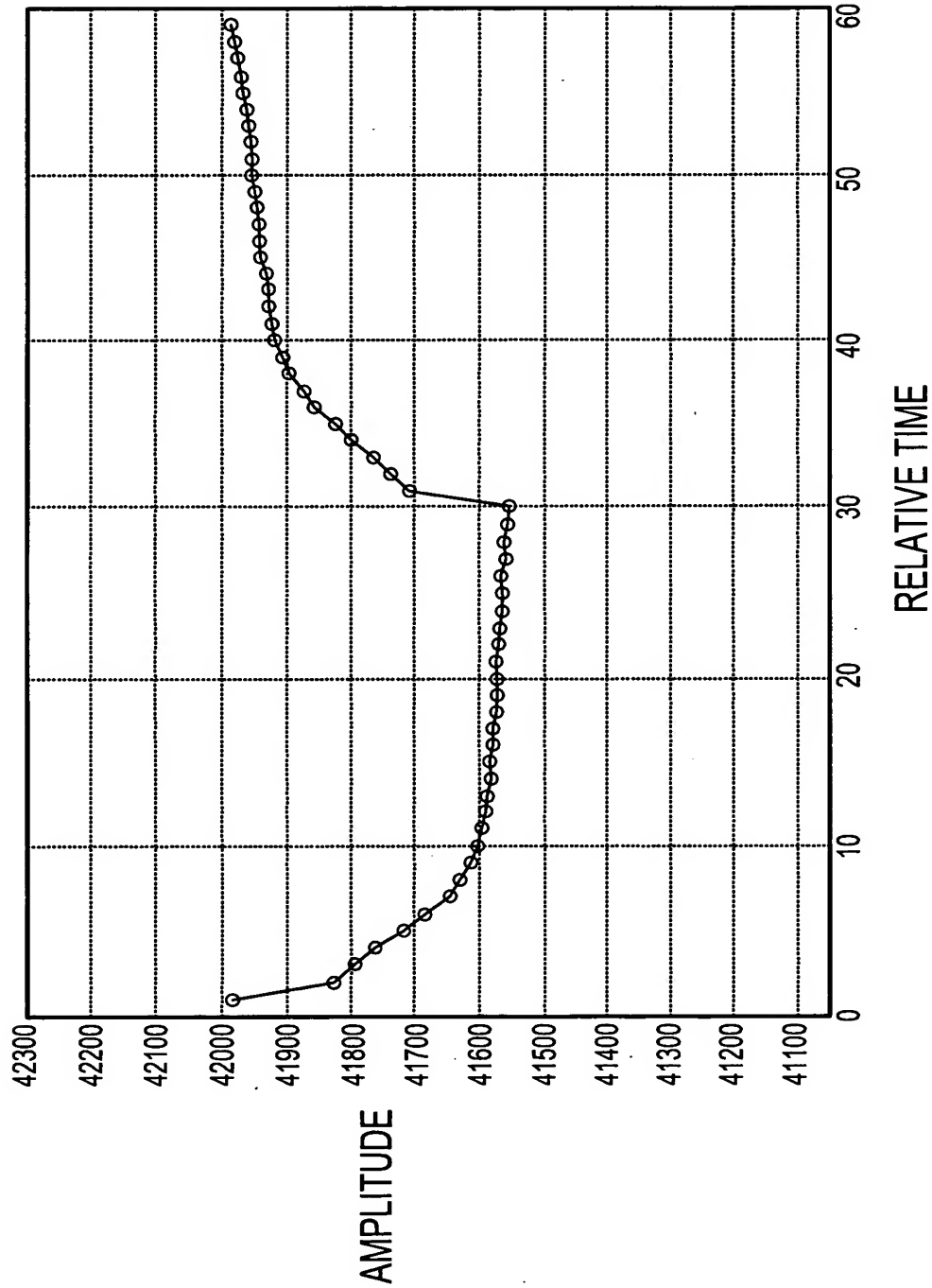


FIG. 21C

38/59

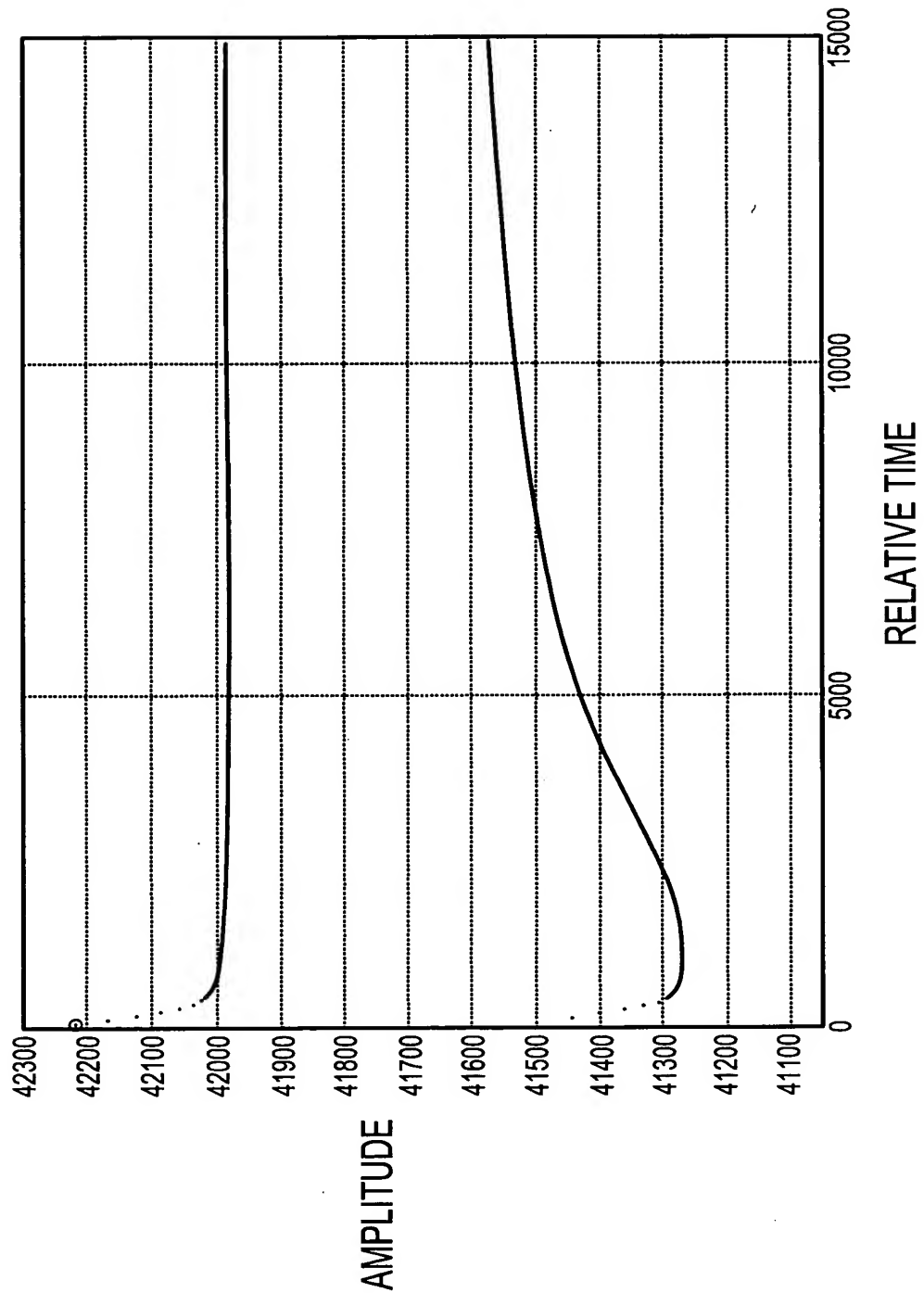


FIG. 22A

39/59

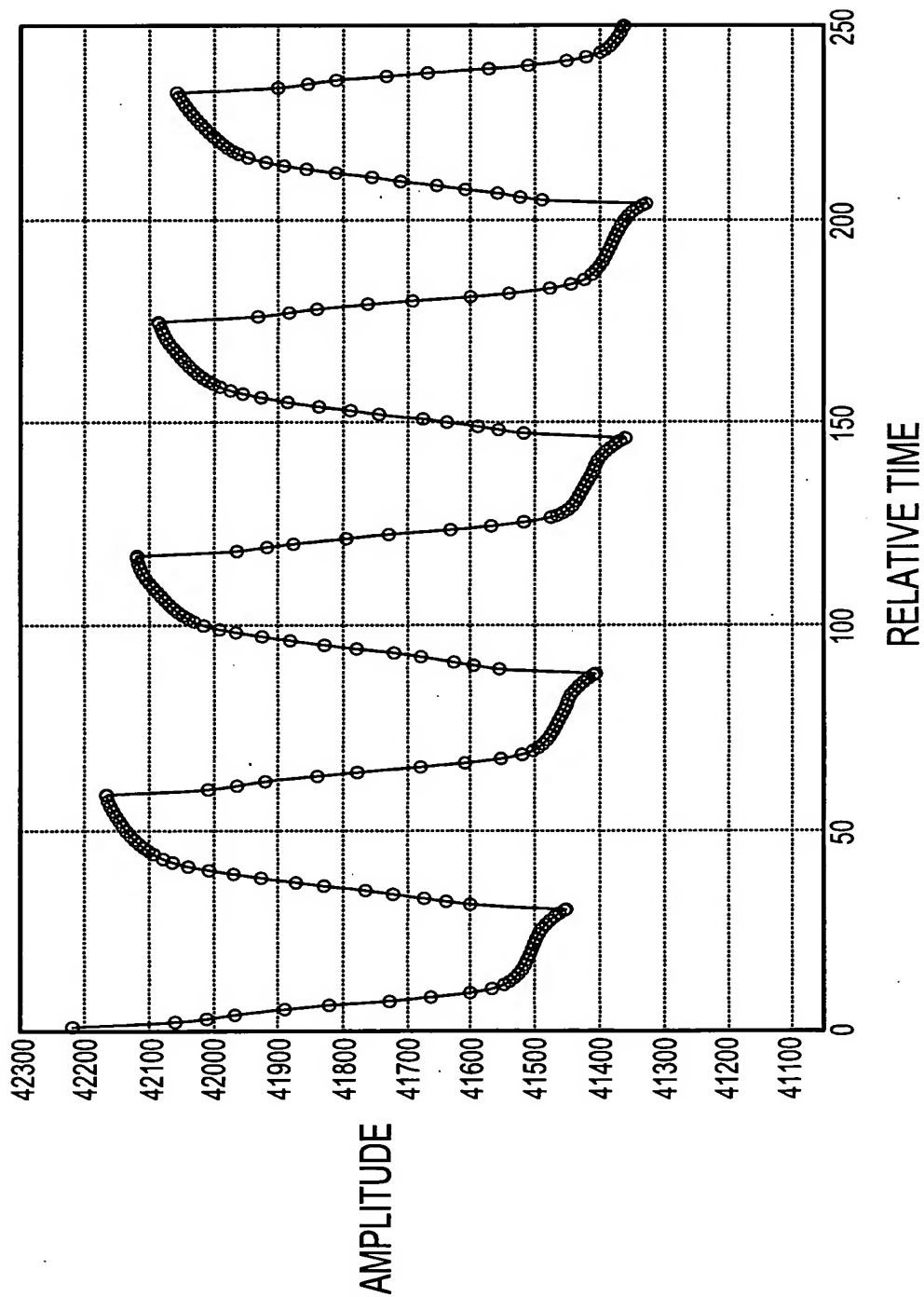


FIG. 22B

40/59

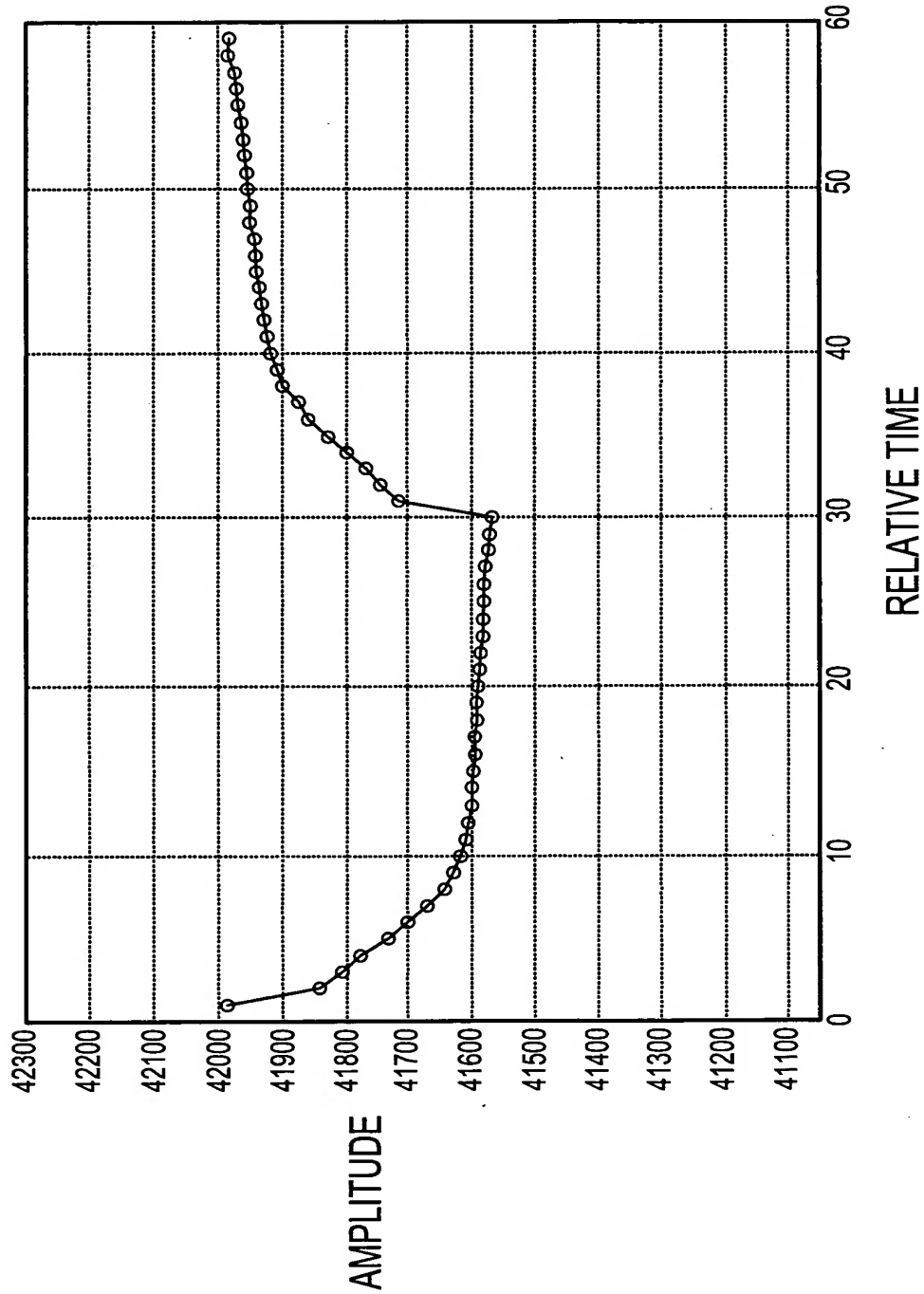


FIG. 22C

41/59

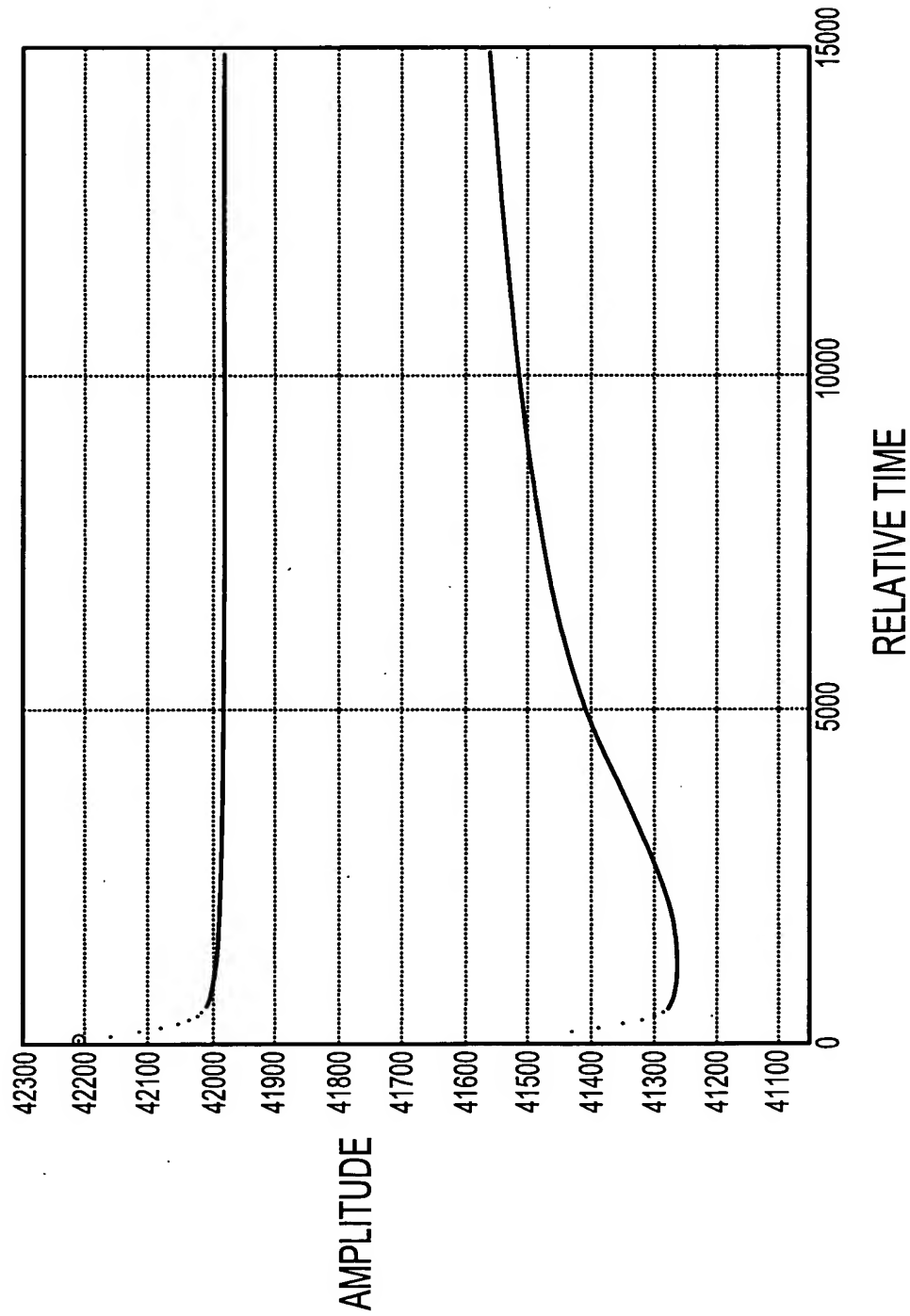


FIG. 23A

42/59

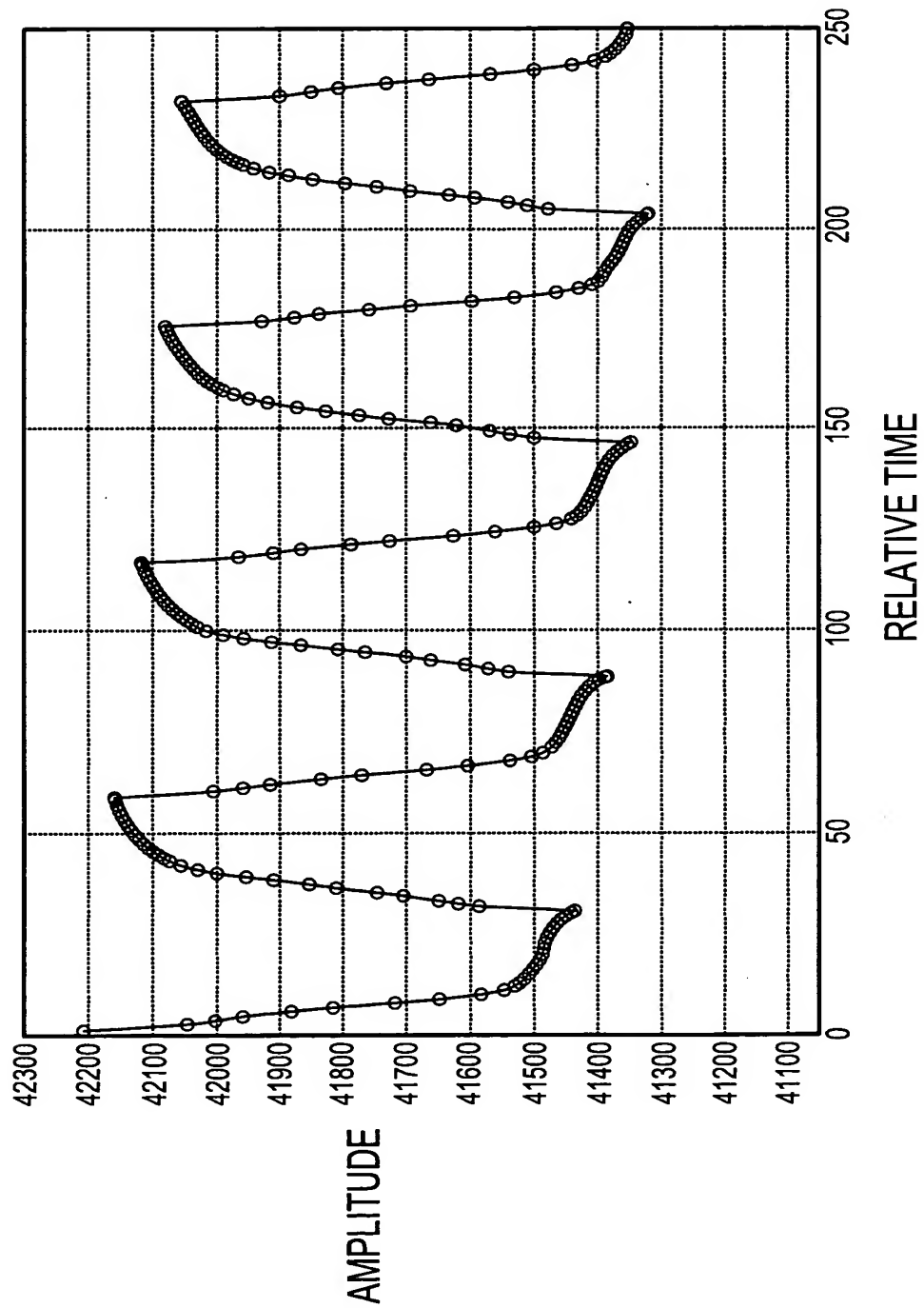


FIG. 23B

43/59

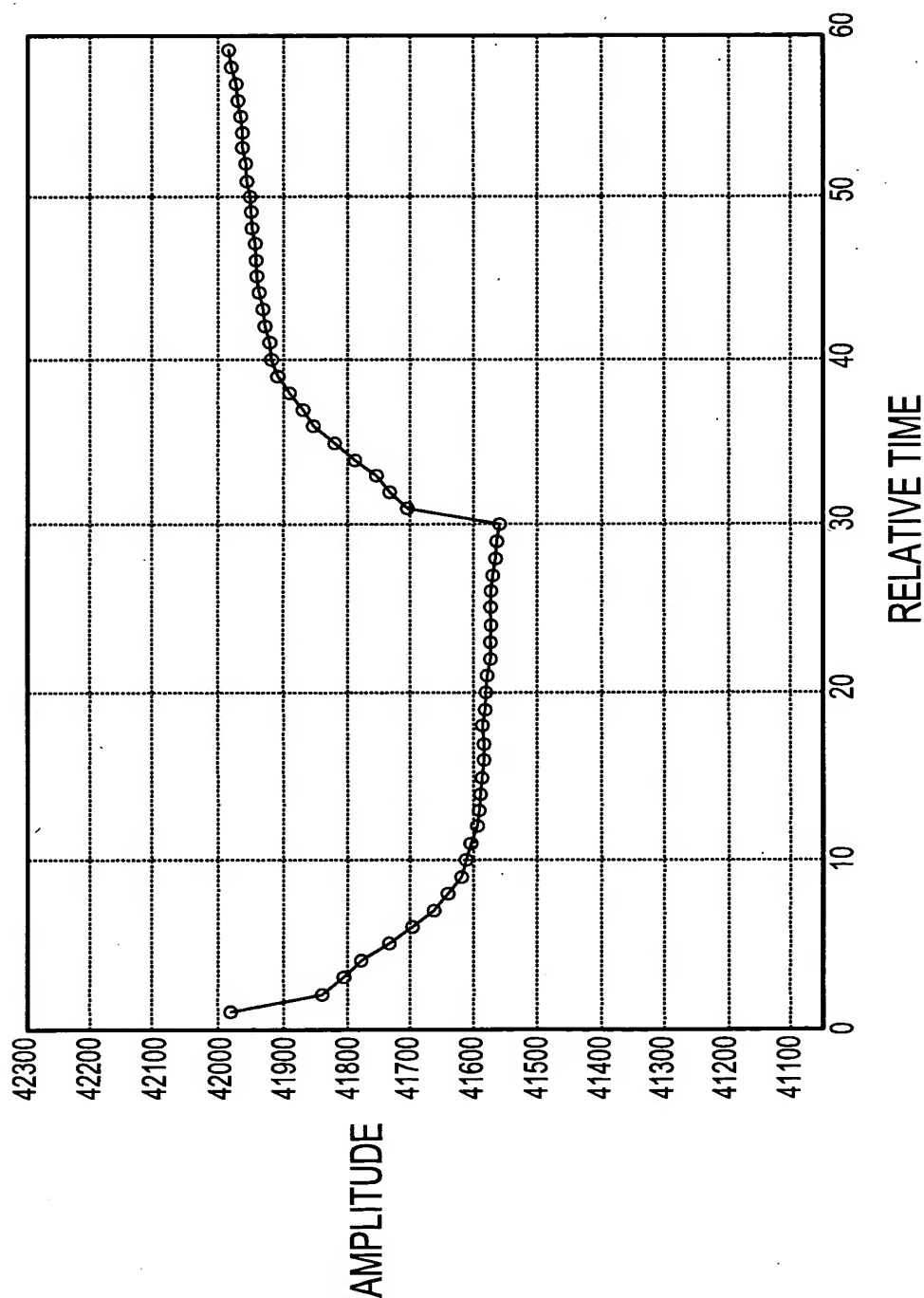


FIG. 23C

44/59

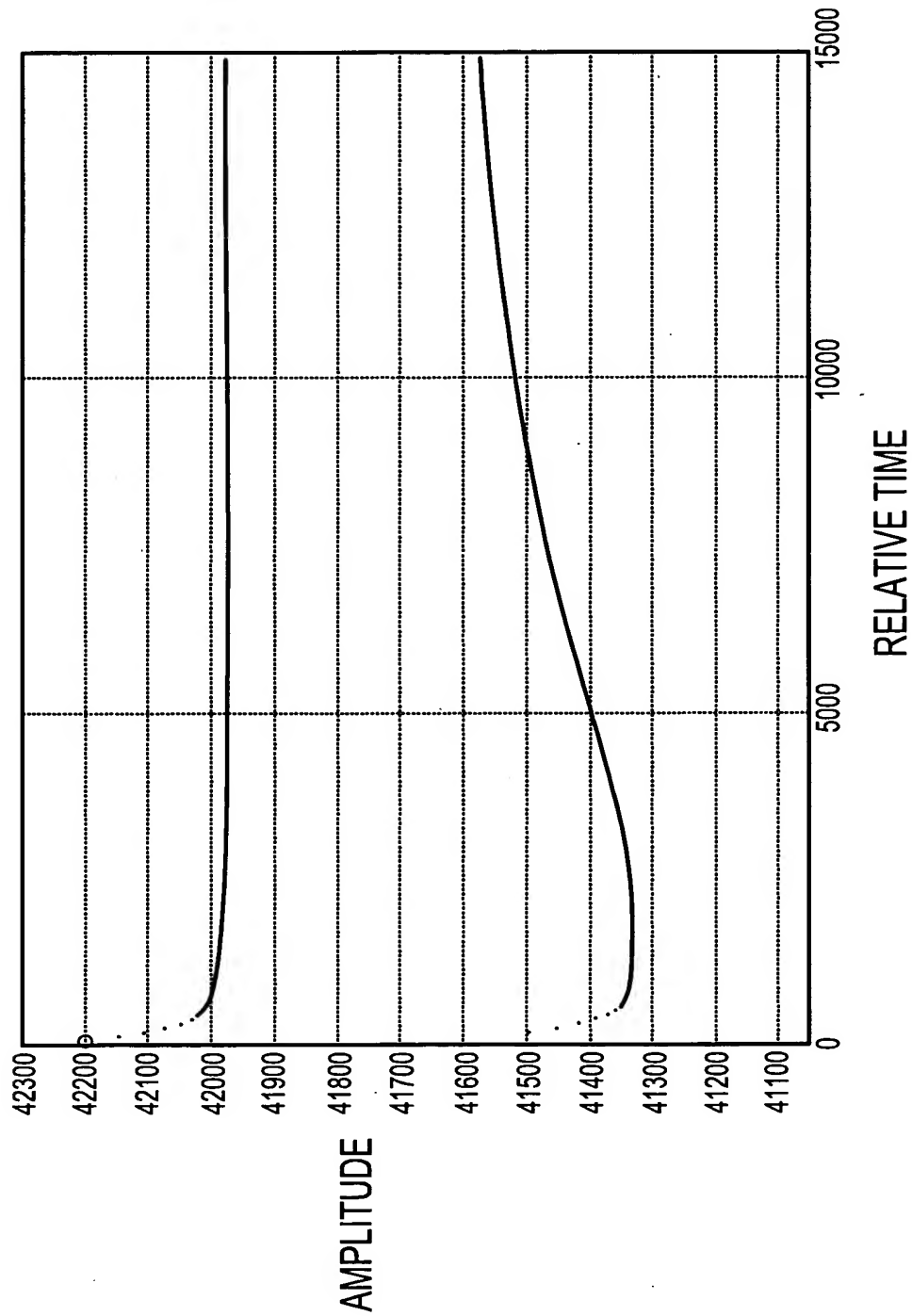


FIG. 24A

45/59

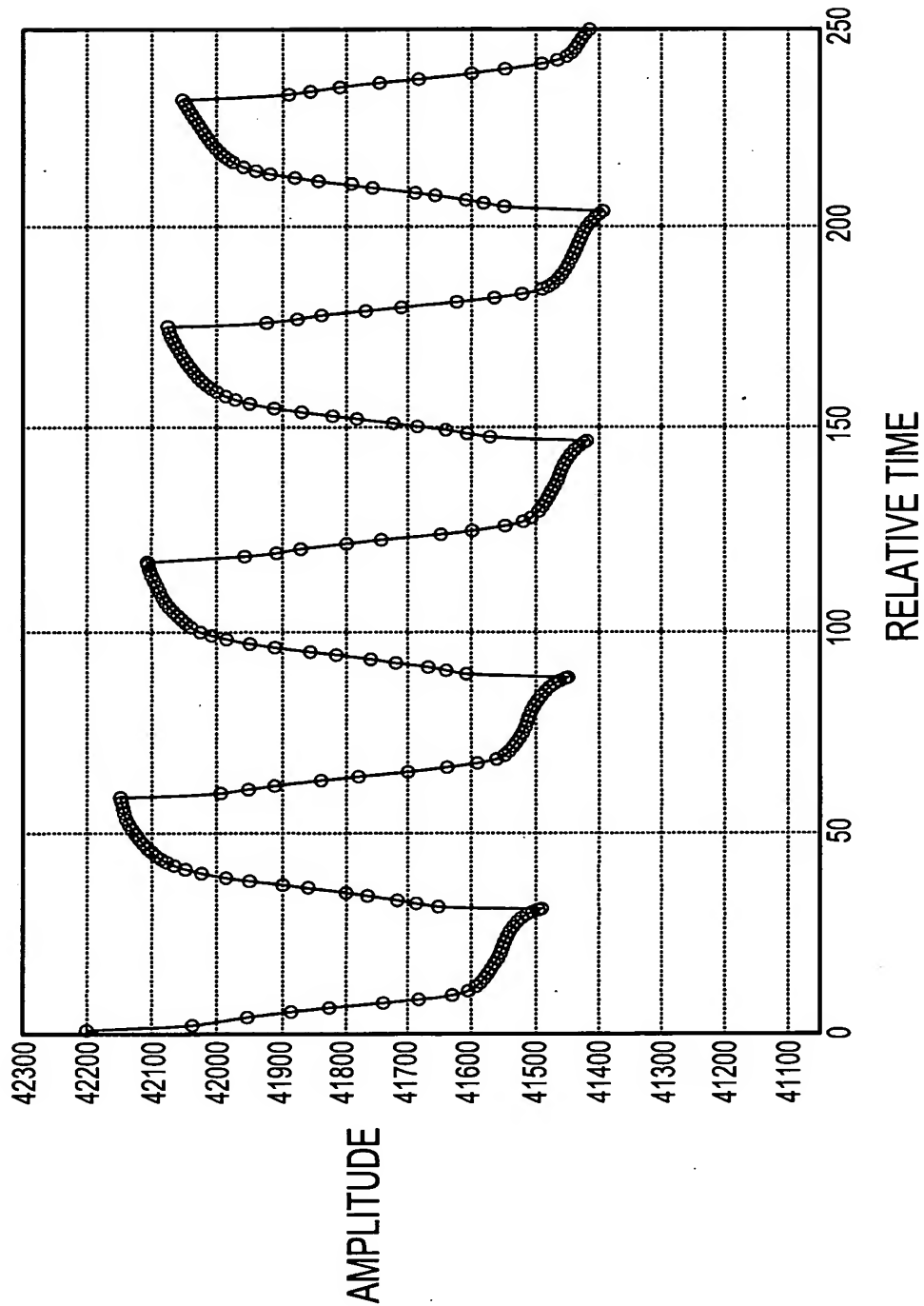


FIG. 24B

46/59

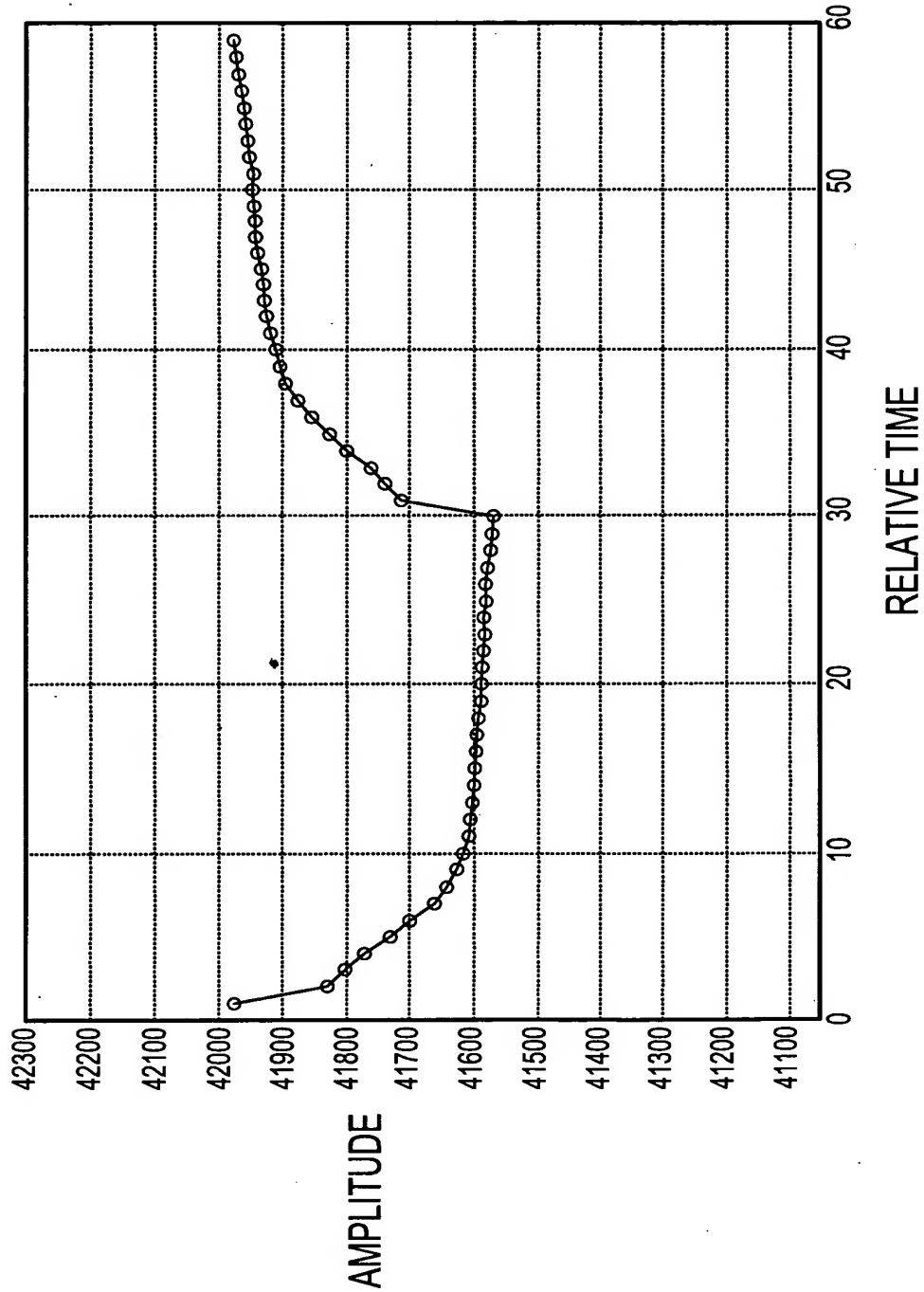


FIG. 24C

47/59

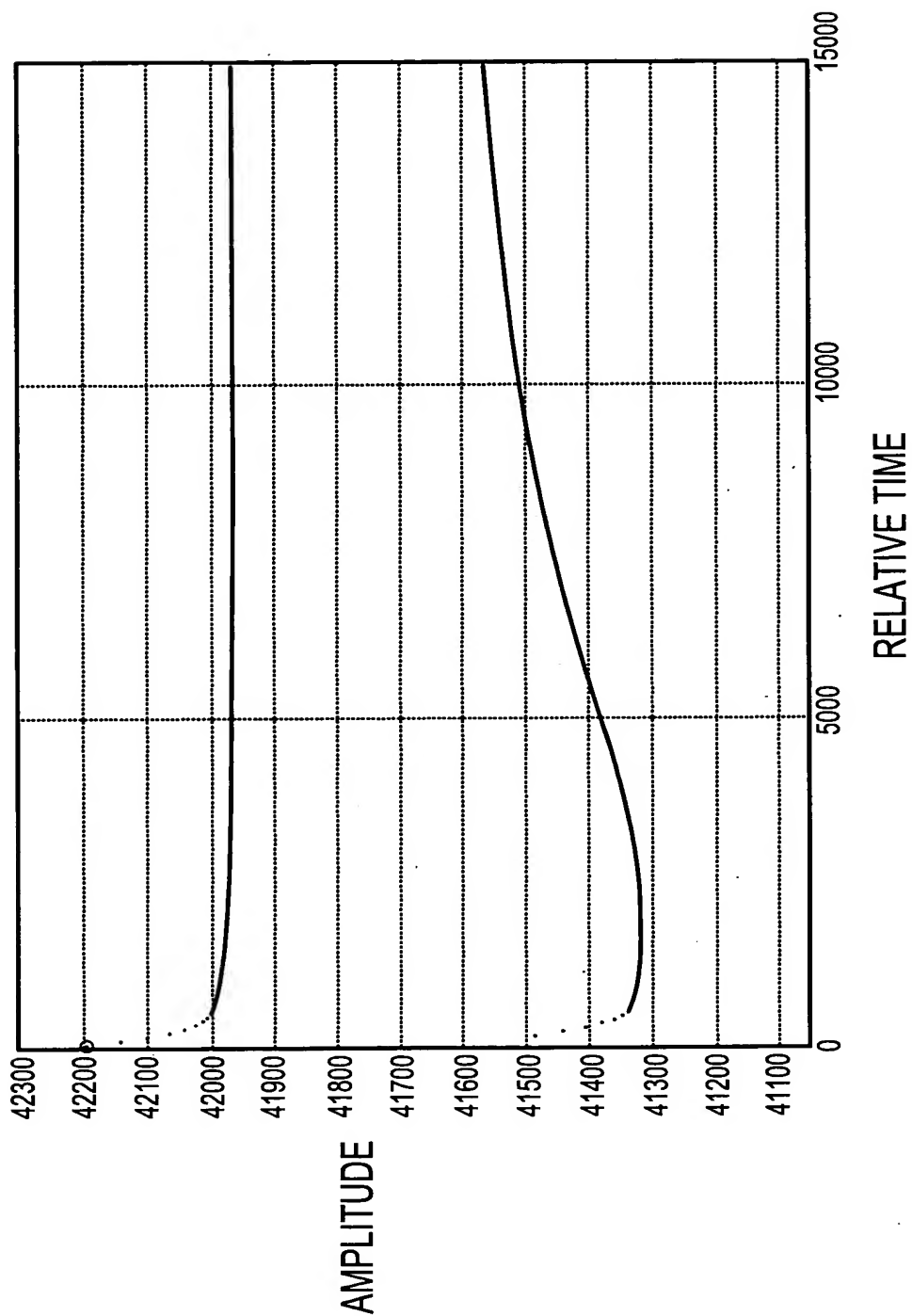


FIG. 25A

48/59

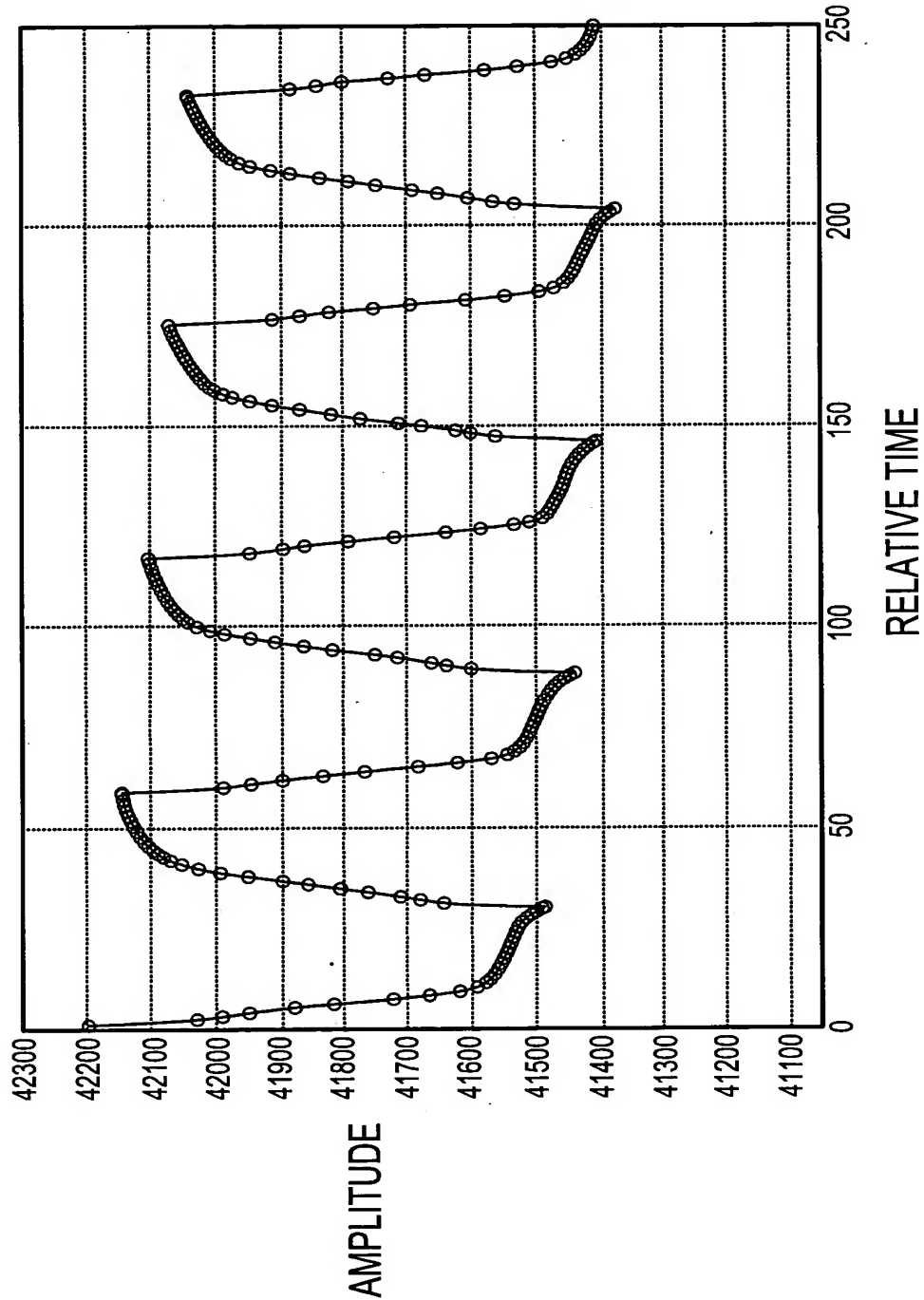


FIG. 25B

49/59

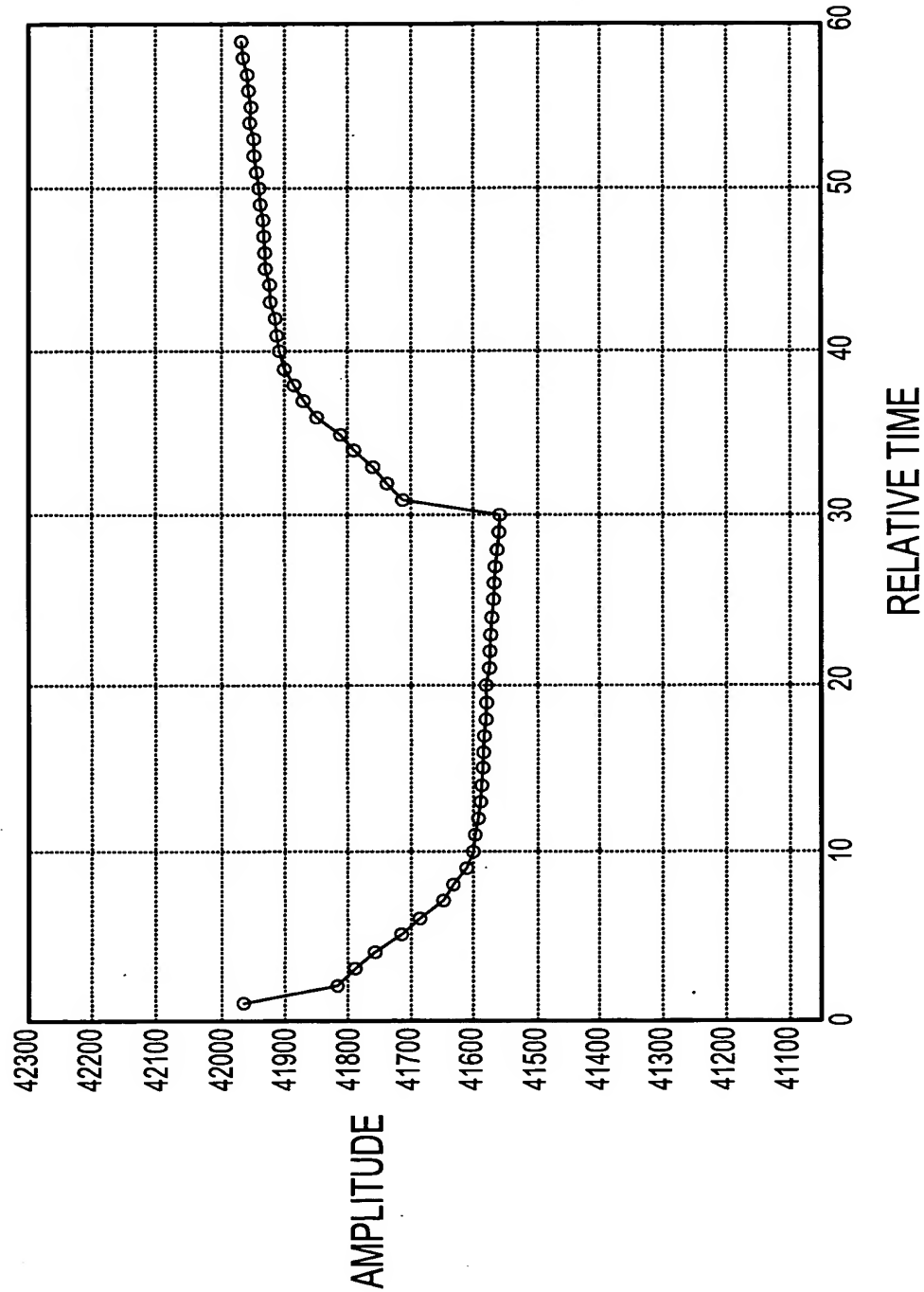


FIG. 25C

50/59

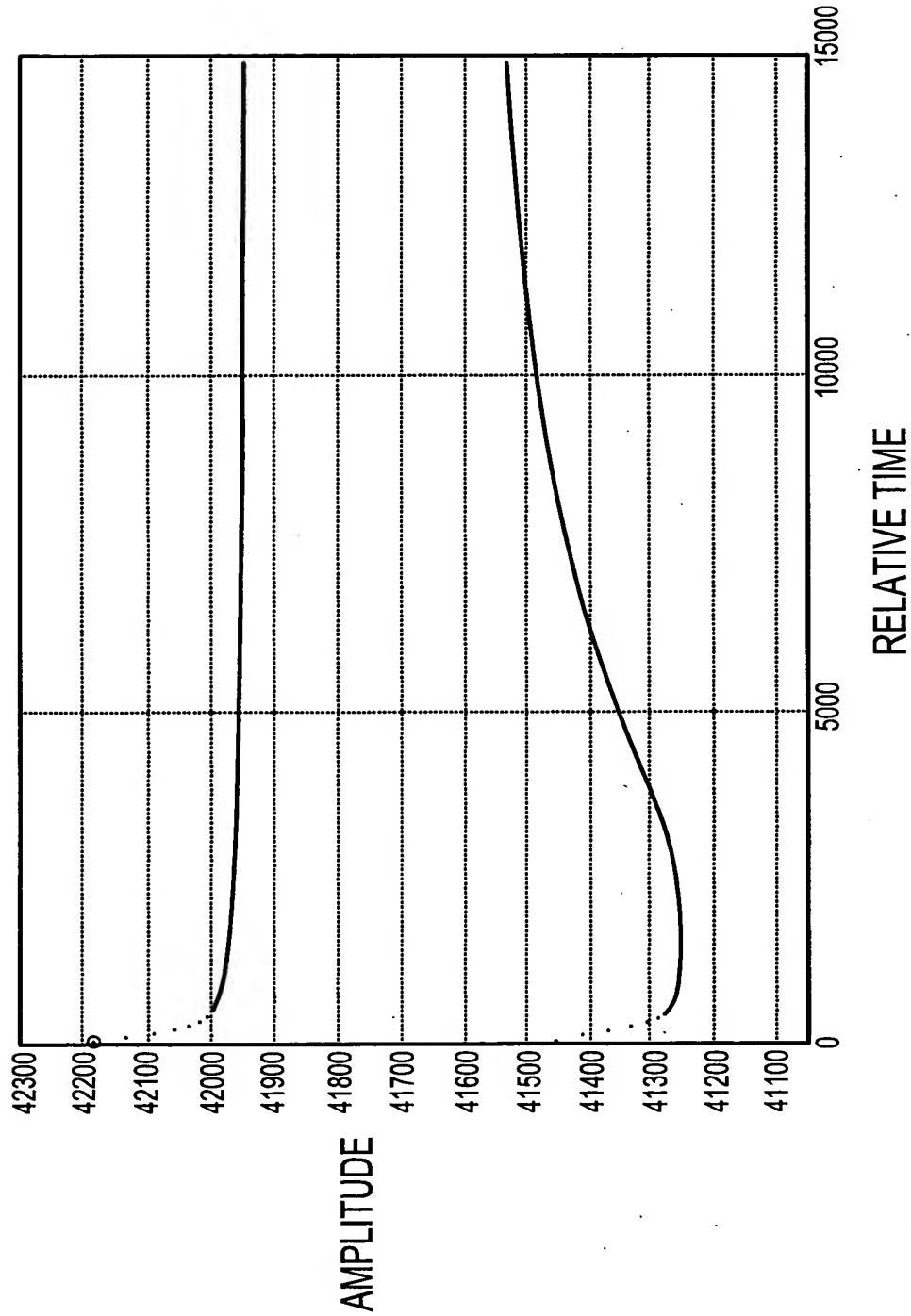


FIG. 26A

51/59

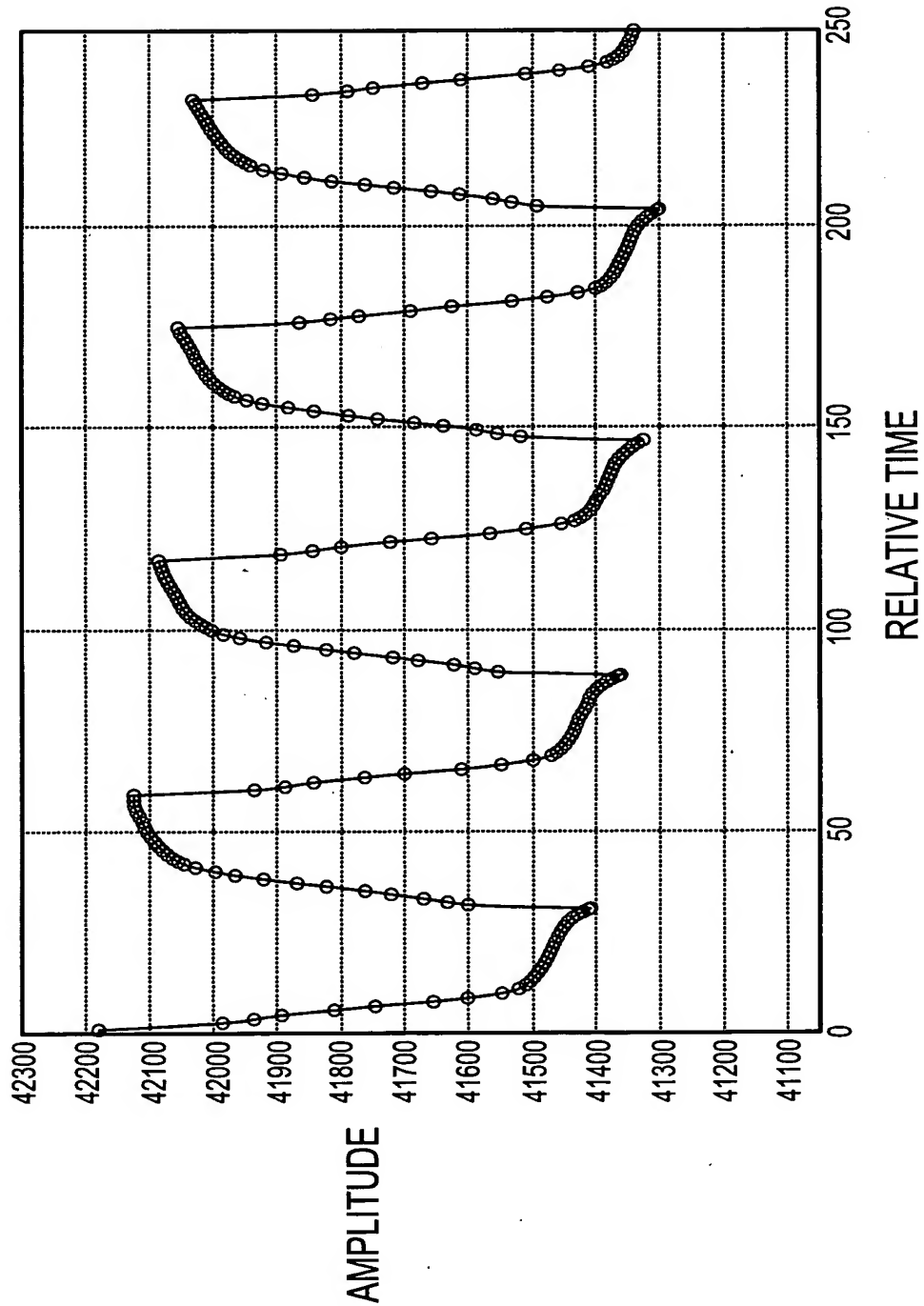


FIG. 26B

52/59

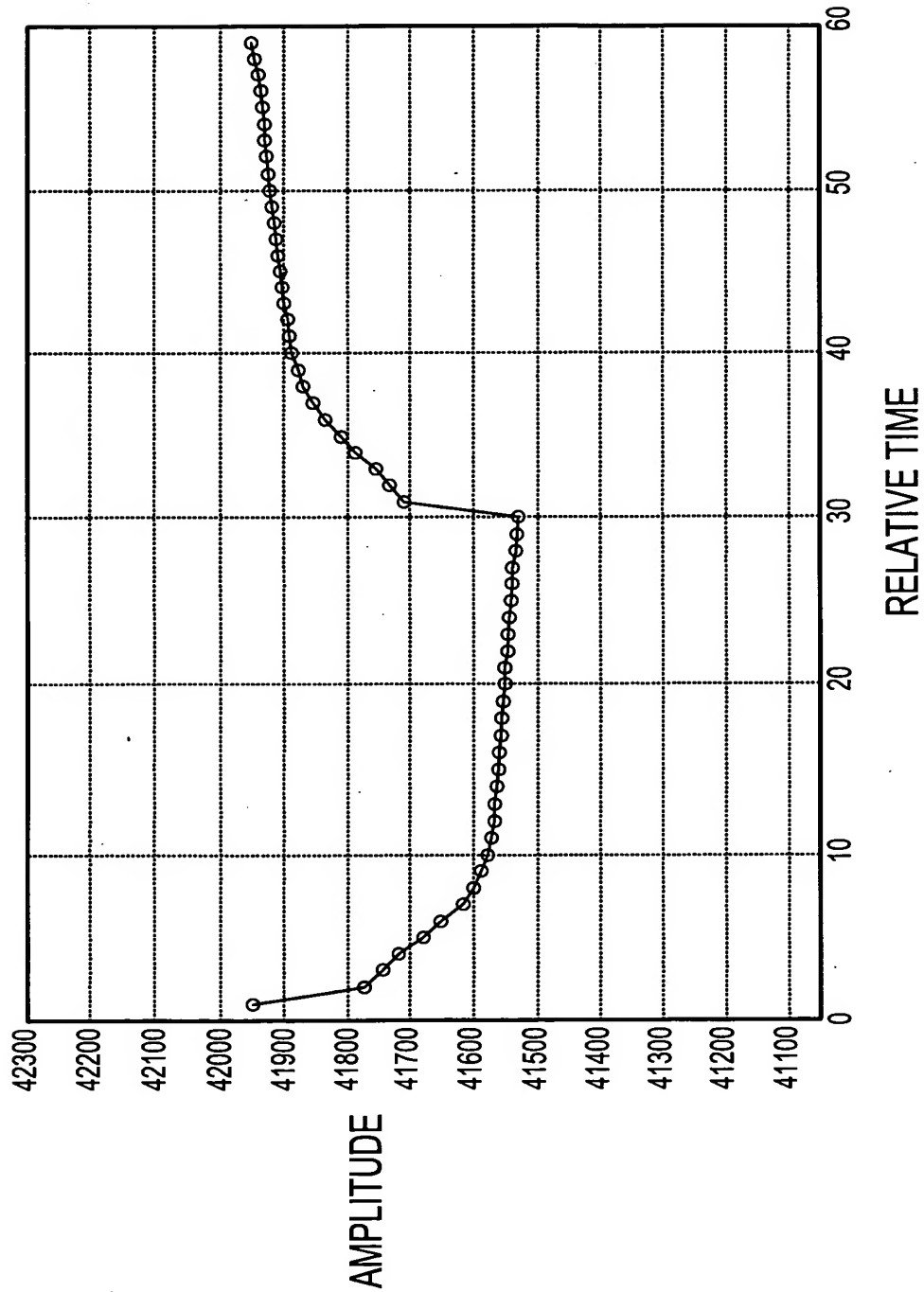


FIG. 26C

53/59

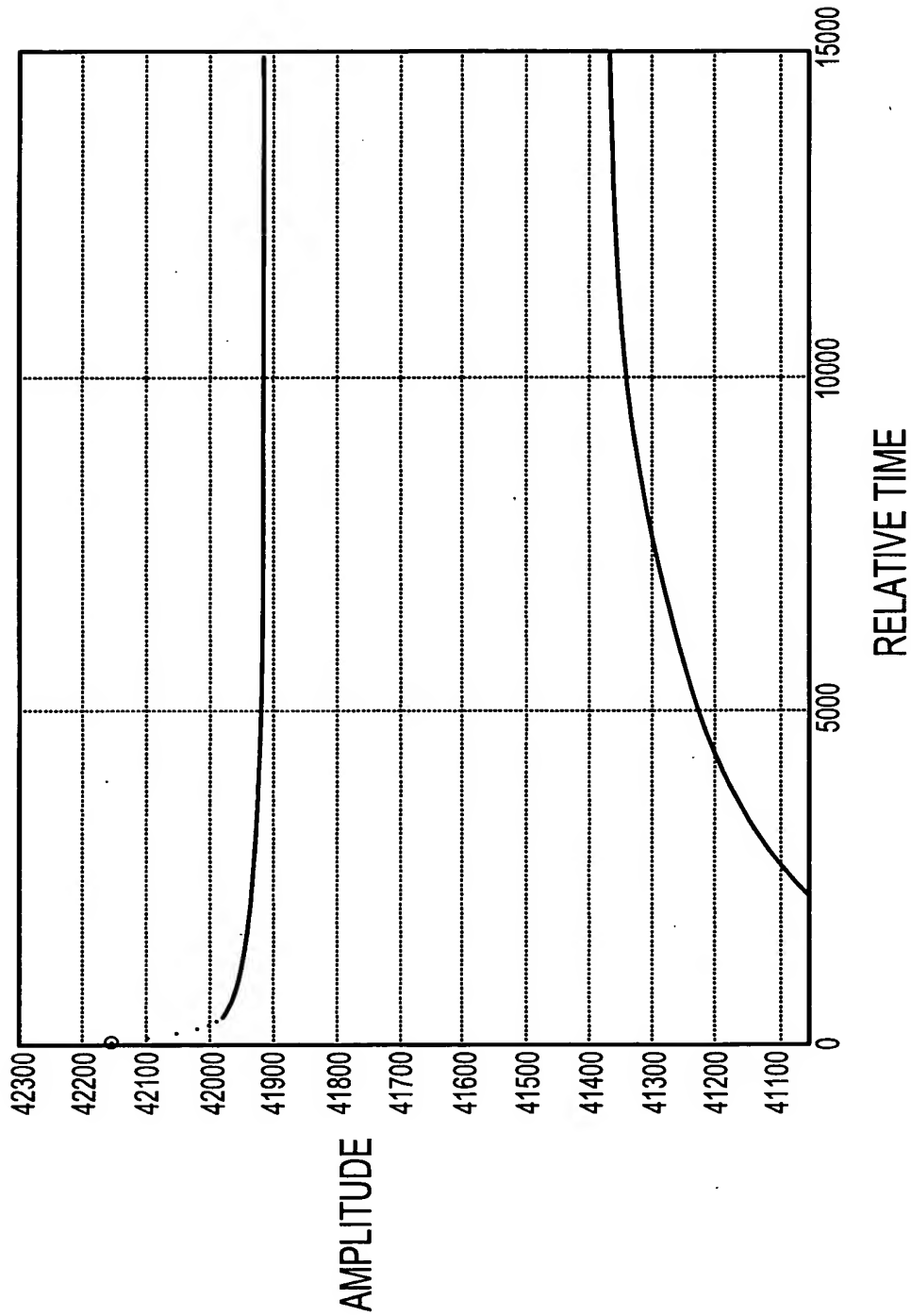


FIG. 27A

54/59

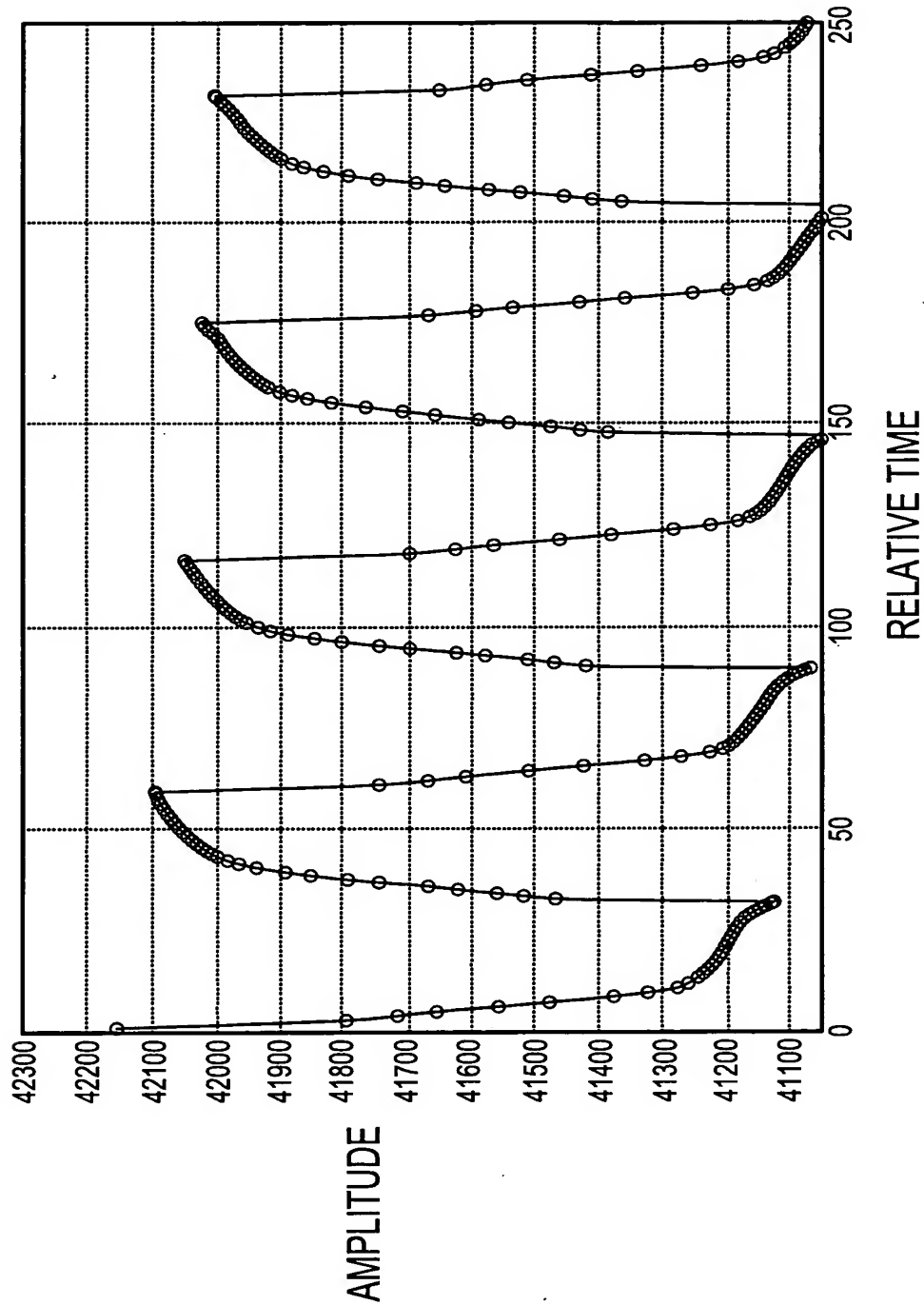


FIG. 27B

55/59

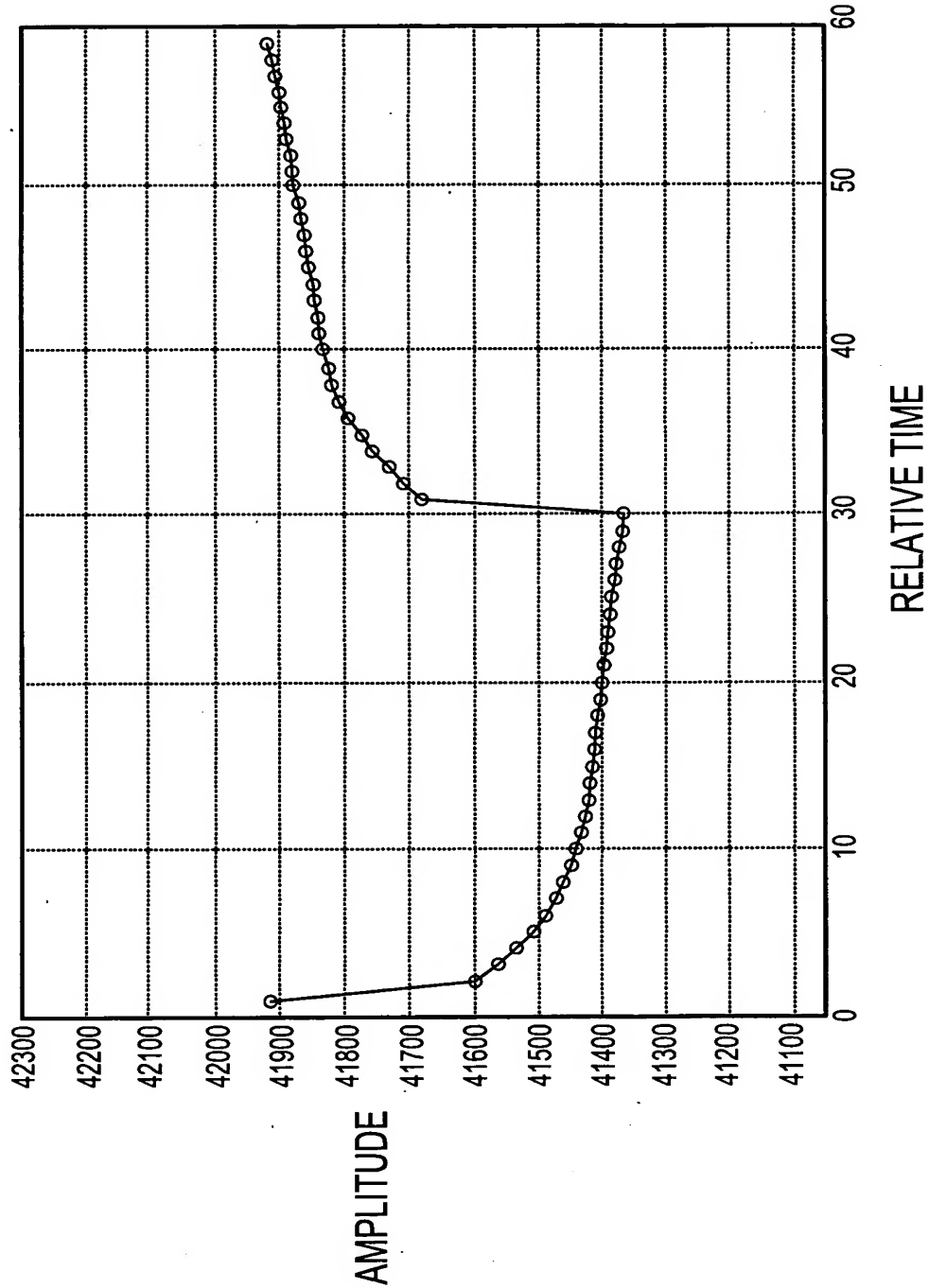
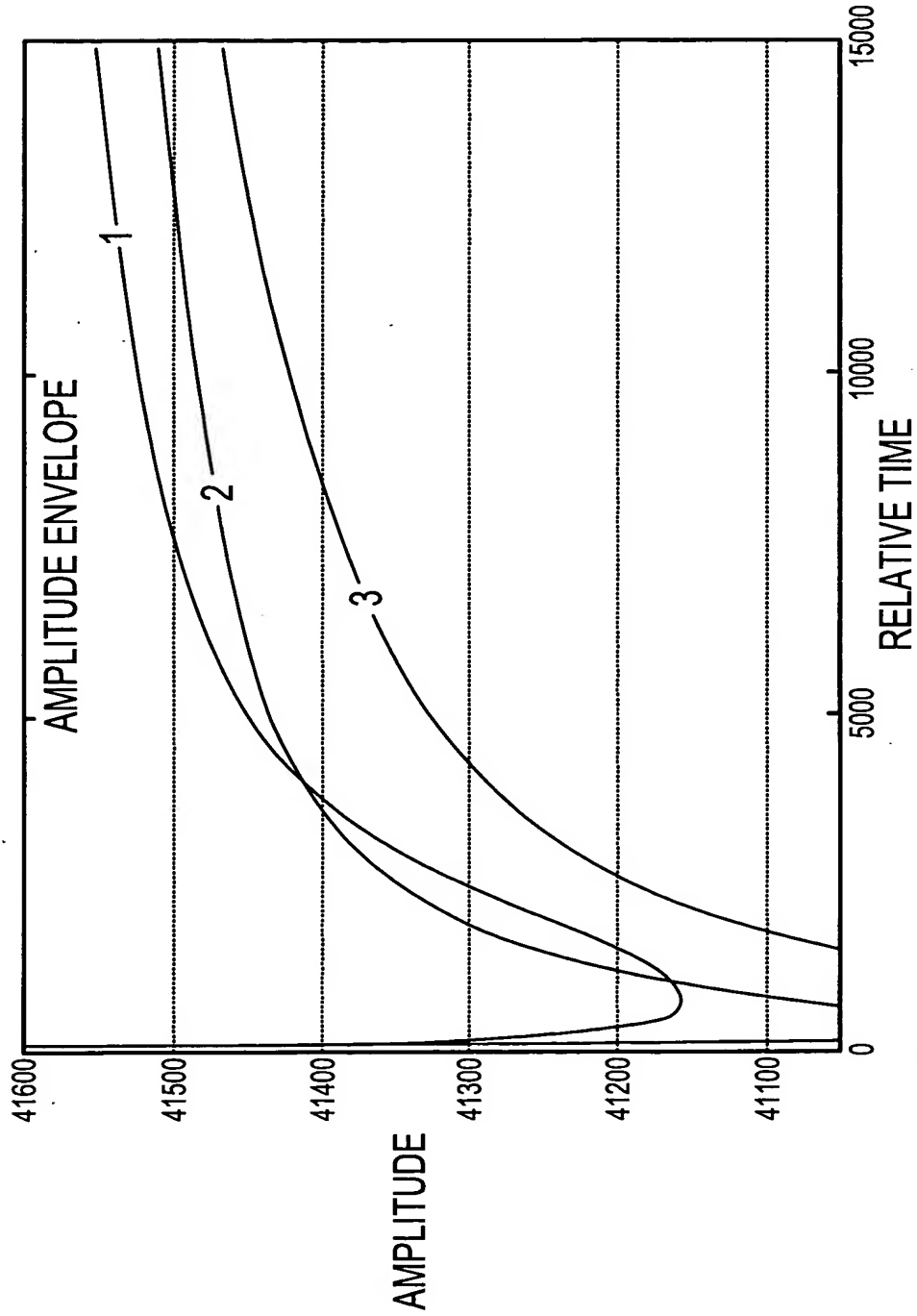


FIG. 27C

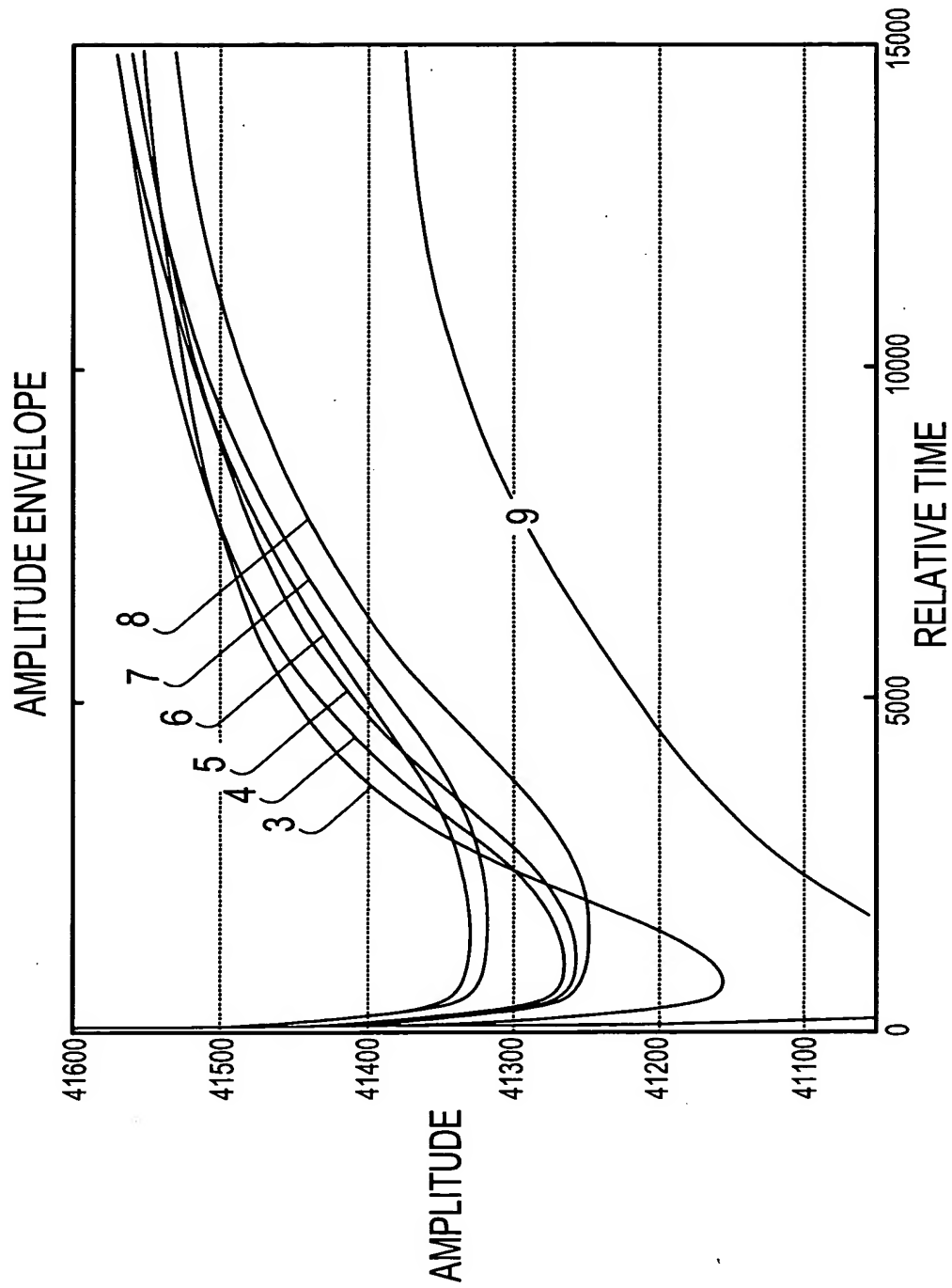
56/59



Increasing plot number indicates decreasing state of charge.

FIG. 28A

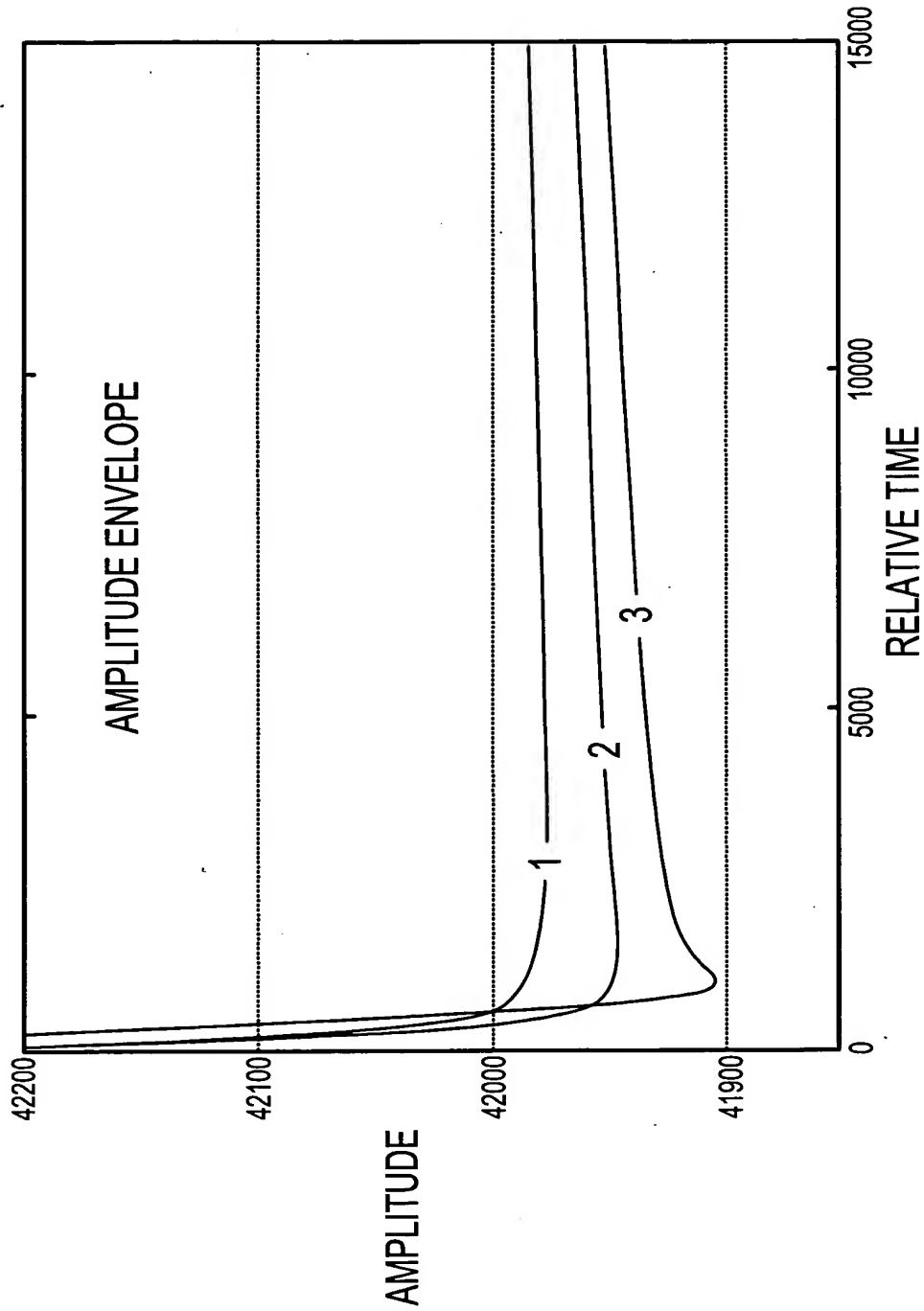
57/59



Increasing plot number indicates decreasing state of charge.

FIG. 28B

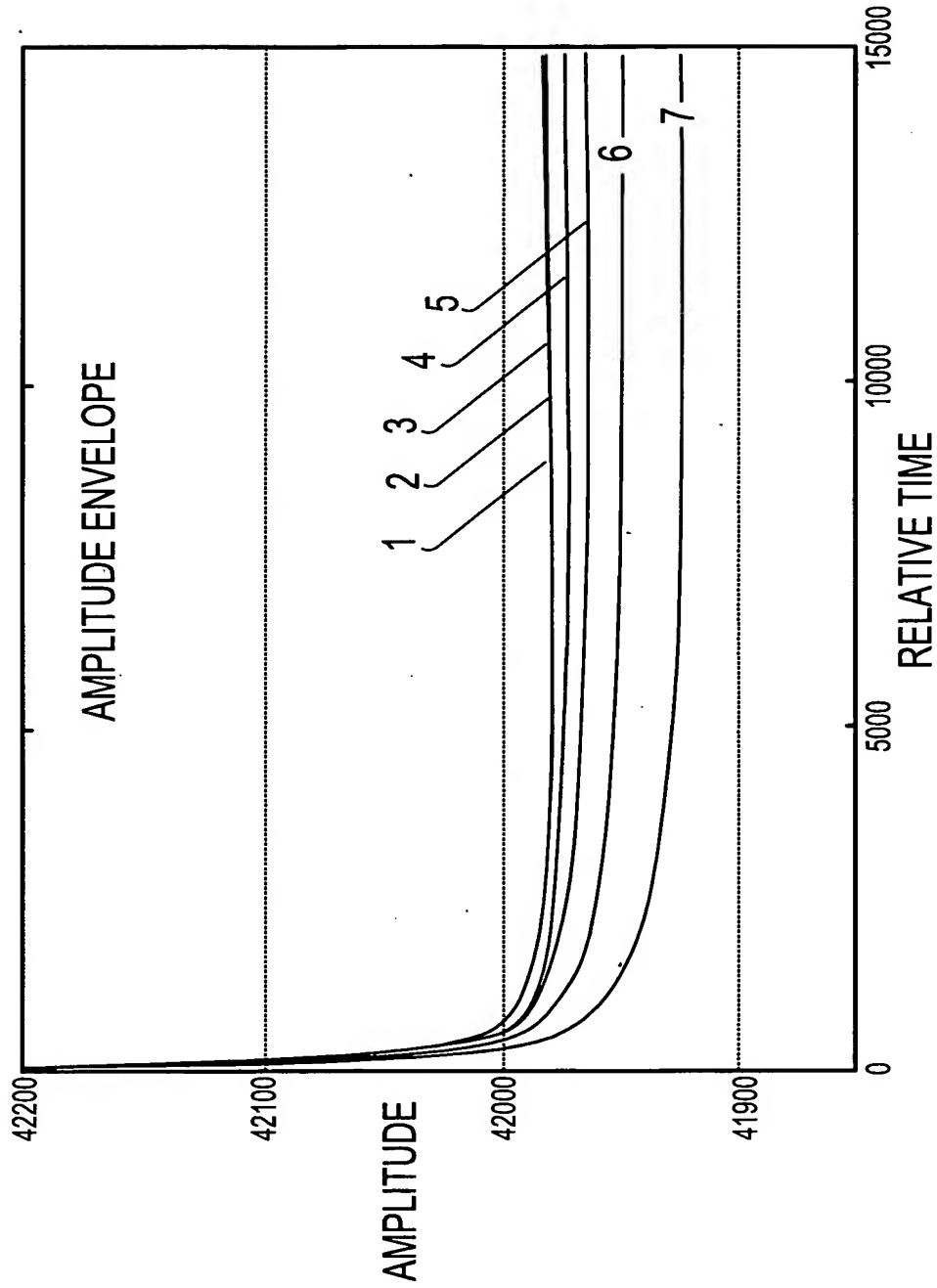
58/59



Increasing plot number indicates decreasing state of charge.

FIG. 29A

59/59



Increasing plot number indicates decreasing state of charge.

FIG. 29B